Volume 161 No. 21

Oil, Paint and Drug Reporter

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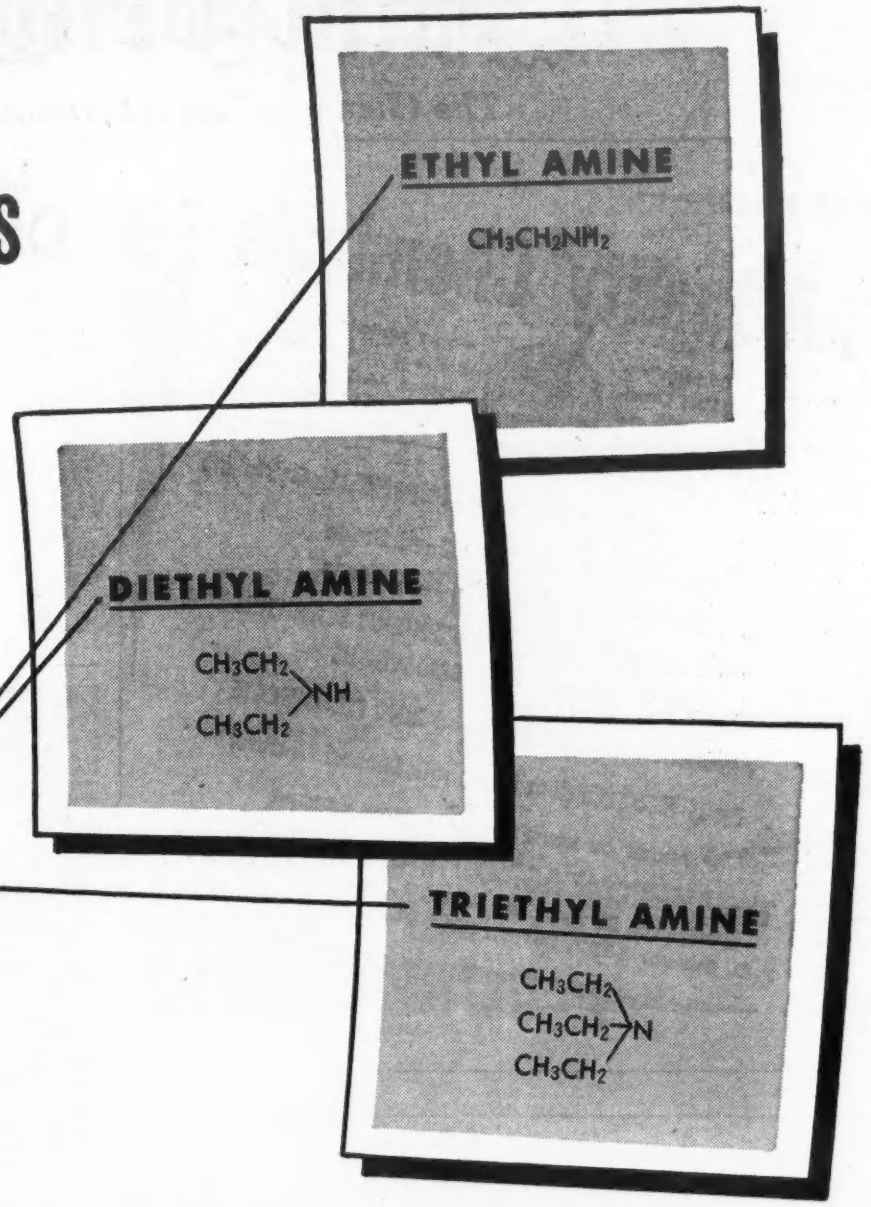

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Oil, Paint and Drug Reporter

Volume 161 No. 21 | 30 Church Street, New York 7, N. Y. | May 26, 1952

Bread Standard Stay Asked Court by Atlas

The United States Court of Appeals in Philadelphia was petitioned May 22 by Atlas Powder Company, Wilmington, Del., to review the recent order of Federal Security Administrator Oscar Ewing establishing standards for certain types of bread that exclude the use of the company's chemical softeners.

Atlas also filed a motion requesting that the court stay the effective date of the bread order, insofar as the order applies to "Myrj 45" (polyoxyethylene monostearate), the Atlas product now used in bread, until after the court has rendered its decision on the petition.

'Myrg 45' Not Covered

The bread order, issued May 15 and scheduled to take effect August 15, 1952, does not permit the use of "Myrj 45" in those types of bread and rolls covered by the standard. The order, however, does permit the use of competing emulsifiers known as mono- and di-glycerides.

The administrator's order does not apply to the use of Atlas emulsifiers in any foods, including baked goods, except those types of bread and rolls specifically covered by the standard. Other Atlas products used in other foods are not affected, the company pointed out.

In its petition to the courts, Atlas charged that the bread standard is illegal and discriminatory because "the administrator failed to apply the same criteria to all competing emulsifiers and because he refused to reopen the record to receive pertinent additional evidence."

Emulsifiers Used Since 1947

Atlas emulsifiers have been widely and safely used in bread since 1947, the company said. In both the tentative and final standards, it was noted, the administrator made a specific finding that the record "shows no definite evidence of injury" from the use of these products. However, the Atlas products were excluded from the final standard on the ground that the tests "do not warrant the conclusion that there is no likelihood of injury from bread containing these substances."

Astin Named to Head Bureau of Standards

Dr. Allen V. Astin, who helped develop the proximity fuse used in World War II, was nominated to be director of the National Bureau of Standards by President Truman May 20. He has been serving as acting director of the bureau since last October when Dr. Edward U. Condon resigned to become director of research and development of the Corning Glass Company.

Dr. Astin joined the bureau in 1930 as a research fellow for Utilities Research Commission, Inc., of Illinois.

SR-13 to Be Extended Indefinitely This Week

The Office of Price Stabilization is expected to issue an order this week extending the coal chemicals pricing regulation, SR-13, indefinitely as proposed at a meeting of industry representatives with agency officials earlier this month.

SR-13 to the General Ceiling Price Regulation, which has been functioning as the industry's ceiling price regulation for a number of months, has been extended from time to time while work was being done looking towards drafting a tailored regulation for the industry. Its latest expiration date is May 31.

In view of the feelings of the industry, however, that it can "live with" SR-13 even though it might not be the best form of regulation that could be devised, OPS has decided to drop the tailored regulation consideration for the time being in favor of an open-end date for SR-13.

FDA Amends Antibiotic Certification Regulations

Tests and methods of assay and certification of bacitracin-neomycin ointment were detailed in an amendment to regulations covering the certification of antibiotic preparations announced May 20 by the Food and Drug Administration. The agency also announced amendments to the regulations to provide for:—

Certification of penicillin-streptomycin and penicillin-dihydrostreptomycin implantation pellets; an expiration date of 24 months for penicillin troches containing crystalline salts of penicillin, if such manufacturer has proved his drug stable for such period of time; a change in the expiration date for penicillin and streptomycin and penicillin and dihydrostreptomycin from eighteen months to twenty-four months.

Also for a change in the potency requirements and packaging provisions for streptomycin sulphate solution and dihydrostreptomycin sulphate solution when such drugs are intended solely for veterinary use and are conspicuously so labeled; and for an amendment to the regulations for bacitracin tablets to include bacitracin implantation pellets.

Fowler Nomination Confirmed

The nomination of Henry H. Fowler to be administrator of the Defense Production Administration was confirmed by the senate May 20. Mr. Fowler will continue to serve in the dual capacity of administrator of the National Production Authority while heading DPA.

Crude Soybean, Cottonseed, Corn Oil Price Rollbacks Are Revoked

The rollbacks of price ceilings on crude soybean oil, crude cottonseed oil, crude corn oil and lard, which were suspended on April 28, were rescinded May 19 by the Office of Price Stabilization. Ceilings in effect before the suspension have been restored and are now the suspended ceilings. Ellis Arnall, OPS director, said the move is in line with his policy that suspensions of price ceilings are not to be coupled with adjustment of the suspended ceilings, either upward or downward.

The suspended ceilings on the three vegetable oils and lard, effective April 28, were lower than the ceilings previously in effect. These lower ceilings are now being rescinded by amendment 14 to Ceiling Price Regulation 6, fats and oils, which re-established the ceilings at this former level. Both the restored ceilings and the rescinded ceilings are considerably higher than current market prices.

Suspension Move Explained

"The suspension of these ceiling prices was part of a program initiated by the Director of Price Stabilization at the beginning of this year to suspend or relax price control in areas where market prices are materially below ceilings and there is no prospect that these market prices will reach ceiling prices within the foreseeable future," OPS said.

The restored ceilings are:—Soybean oil, 20½ cents per pound, f.o.b. Decatur, Ill.; cottonseed oil, 23½ cents a pound (Valley basis), and corn oil, 24½ cents a pound, f.o.b. U. S. mills. The rescinded oil ceilings were 16½ cents a pound for soybean oil, f.o.b. Decatur; 18 cents a pound for cottonseed oil (Valley basis), and 19 cents a pound for corn oil, f.o.b. US mills.

New Lard Ceiling

Since the previous ceilings for lard had been established under the General Ceiling Price Regulation and were not uniform, the new ceiling is set at 18 cents a pound for loose lard at Chicago (with appropriate differentials). This is one cent higher than the rescinded ceiling. OPS said the new amount is representative of ceiling prices formerly established for lard processors under GCPR.

Mr. Arnall announced his intention to reimpose ceiling prices on the three oils and lard, if and when their market prices rise to within 2½ cents of the suspended ceiling prices. This recontrol "trigger" corresponds to that which was provided in Amendment 13 for the rescinded ceilings.

Senate Bill Extends Price Controls 8 Months, Material Curbs One Year

The senate banking committee completed action May 21 on an amended version of the defense production act and ordered the measure, S.2594, reported to the senate where the democratic leadership has scheduled it for early consideration. The bill fails in many respects to meet demands of the administration for a tight price control law and indications are that a lively fight will be waged on the floor for its amendment. It is doubtful, however, that administration forces will succeed in reversing the decisions of the committee on any material points.

Contrary to the wishes of the White House that the defense production act be extended for two years, the committee voted to terminate wage and price controls next February 28, and materials allocations, priorities, defense production loans and rent control on June 30, 1953.

In the matter of price control, the senate committee also adopted other amendments as follows:—

1. Limited the application of the Capehart amendment to manufacturers and processors and thus excluded wholesalers and retailers from its benefits. This was done because the Emergency Court of Appeals has ruled that the Capehart amendment is applicable to all sellers.

Herlong Amendment Modified

2. Modified the so-called Herlong amendment so as to make it applicable to all regulations issued by OPS, and not just to those regulations issued after the amendment became law last year. The Herlong amendment prohibits OPS from reducing margins of wholesalers and retailers below the levels that existed before Korea.

3. Prohibited OPS from issuing any price regulation that would fix ceilings below the minimum allowed in state minimum price laws.

4. Repealed section 104 of the law, which placed a virtual embargo on imports of dairy products, fats and oils and other agricultural products, and substituted provisions of public law 590, which provides discretionary authority to limit imports which might endanger price support programs.

Rules on Controls Suspension

5. Established it as a matter of congressional policy that OPS should suspend price and wage controls when conditions of supply, existence of below ceiling prices, or relative importance in relation to business costs or living costs permit such action to be taken without generating an unstabilizing effect.

The latter amendment was a clear victory for OPS, which had fought strongly against congress writing any mandatory decontrol section in the law, based on some mathematical formula. As regards

—Continued on page 76

Sebacic Acid, Sodium Chlorate Goals Weighed

New production goals for sebacic acid, sodium chlorate, synthetic cryolite, synthetic cyanide, and plastic materials to meet the probable needs of defense and essential civilian requirements in the next few years are under consideration by the Defense Production Administration for announcement at an early date.

In most cases it is expected that provision will be made for covering the production expansion program with tax amortization certificates, although in some cases part of the goal has already achieved, without such certificates, by production increases made by producers.

Programs under consideration call for increasing the capacity for production of sebacic acid to 25,000,000 pounds by 1955; sodium chlorate to 145,000,000 pounds by 1955, an increase of 77,000,000 pounds over 1951; synthetic cryolite to 50,000 net tons by 1953 in order to meet the needs of the synthetic rubber program, an increase of 21,600 tons over 1951; synthetic cyanide to 91,600,000 pounds by 1955; plastic materials to $4,600,000,000 pounds by 1955, an increase of 2,500,000,000 pounds over 1951. Because of the limited number of producers of sebacic acid and synthetic cyanide, figures on 1951 production were not disclosed.

Resorcinol Allocation Controls Are Lifted

Allocation controls on resorcinol were revoked May 19 according to an announcement made by O. V. Tracy, director of the chemical division of the National Production Authority. Resorcinol was placed under allocation control by schedule 6 to order M-45, effective June 1, 1951. At that time demand exceeded supply by more than 35 percent. The chemical was classified as an appendix A material requiring both supplier and consumer to apply to NPA for authorization to deliver, accept and use the material.

Mr. Tracy said last week's action revoking schedule 6 to M-45 is in line with NPA's policy of removing or relaxing controls on any material as soon as supplies are sufficient to meet both civilian and military requirements. He explained that the removal of plant bottlenecks by the major producer of resorcinol and the reentry into production by a second company have resulted in an increased supply of the chemical. Consequently, recent military and civilian needs have been satisfied in full. Possible future increases in demand are expected to be met by further increased capacity by existing producers and by production from a new plant by a new producer.

Superphosphate Ceilings Get 2 Cent Increase at 3 Points

Two-cent increase in the ceiling price for sales of run-of-the-pile pulverized superphosphate at three production points in New Jersey and Pennsylvania was authorized by the Office of Price Stabilization in an amendment to CPR 137, effective May 23.

Production points affected are those at Paulsboro and Carteret, N. J., and Philadelphia. Producers at these points compete in the marketing area which serves the eastern parts of New York state and Pennsylvania and the neighboring section of New Jersey. The amendment changes the ceiling price for ordinary pulverized superphosphate at these production points from 87 cents per unit of APA to 89 cents per unit.

OPS explained that the total output of the marketing area affected by the amendment accounts for only 3 percent of the total national production. Consequently it is not anticipated that the 2 cent increase will have any significant effect on the level of prices generally.

Truman Authorizes Release Of Copper from Stockpile

President Truman authorized the release of upwards of 22,000 tons of copper from the national stockpile May 22 to meet the threatened shortage of the metal for defense and essential purposes.

John R. Steelman, acting director of the Office of Defense Mobilization, announced the action shortly after he directed the Office of Price Stabilization to relax its ceilings on copper prices so as to permit brass mills and copper wire mills to pay above ceiling prices for foreign copper. The order permits them to pass along 80 percent of the increased cost of foreign copper above the 27½ cents a pound price fixed in the purchase agreement with Chile that was terminated May 8.

OPS will periodically announce the permitted increases in ceiling prices which will be adjusted to reflect variations in foreign prices of copper and in the ratio of foreign copper used. The initial adjustments will become effective January 16.

NPA Redefines 'Thiokol'

The National Production Authority has amended the definition of "Thiokol" contained in allocation schedule No. 10 of NPA order M-45 to identify the material more accurately, it was announced May 16. The amended definition states that "Thiokol (a registered trademark) means any one of the polymers produced by the chemical reaction between dichlorodiethylformal and an alkali polysulphide which are distributed as (a) liquid polymers, (b) water dispersed latices, and (c) dry rubber (crude)."

DPA Spurs Chemical Projects with Tax Aid

Certificates of necessity for accelerated tax amortization were awarded by the Defense Production Administration during the period April 25 through May 1 to another group of new or expanded facilities in the area of the chemical industry, it was announced by the agency May 20.

The certificates were among 251 issued during the period, which raised the total of certificates issued to date to 9,830 covering facilities amounting to $18,705,072,207. The certificates issued in the chemical and allied fields were for:—

Anhydrous hydrofluoric acid—Harshaw Chemical Company, Cleveland, Ohio, for 65 per cent of $275,000.

Aramite — United States Rubber Company, Naugatuck, Conn., for 45 percent of $779,250.

Bromine and brine—Dow Chemical Company, Midland, Mich., three projects, for 50 percent of $1,891,235.

Butylene-propylene polymer — Carter Oil Company, Billings, Mont., for 65 percent of $845,000.

Calcium carbide—Midwest Carbide Corporation, Mayes County, Okla., for 50 percent of $2,027,000; Pacific Carbide & Alloys Company, Portland, Ore., for 50 percent of $91,513; Monsanto Chemical Company, near Muscle Shoals, Ala., for 50 percent of $3,975,000; Air Reduction Company, Louisville, Ky., for 50 percent of $158,000.

Chemicals—Monsanto, three projects at Monsanto, Ill., and one at St. Louis, Mo., for 45 percent of a total of $5,153,900.

Coke and coal chemicals—Bethlehem Steel Company, Baltimore City, Md., for 45 percent of $6,326,000.

Formaldehyde—Borden Company, Demopolis, Ala., for 55 percent of $1,028,610; Commercial Solvents Corporation, Agnew, Calif., for 55 percent of $450,100 and another plant at Seattle, Wash., for 55 percent of $723,900; Monsanto, Springfield, Mass., for 55 percent of $669,000.

Hydrogenated products—Monsanto at Monsanto, Corporation, Baton Rouge, La., for 80 percent of $82,000.

Hydrogenated products—Monsanto, Monsanto, Ill., for 60 percent of $539 880.

Isobutane and propylene—Humble Oil & Refining Company, Baytown, Tex., for 65 percent of $298,000.

Laminated plastics — Continental-Diamond Fibre Company, Newark, Del., for 50 percent of $51,708; a second project at Valparaiso, Ind., for 50 percent of $1,147,200.

Limestone—Kelley Island Lime & Transport Company, Marblehead, Ohio, for 50 percent of $50,000.

Nylon and teflon — Polymer Corporation, Reading, Pa., for 60 percent of $88,503.

Oyxgen—Firth Sterling Steel & Carbide Corporation, McKeesport, Pa., for 55 percent of $370,000.

Pentraerythritol—Heyden Chemical Company, Garfield, N. J., for 65 percent of $1,207,465.

Pharmaceutical products—Abbott Laboratories, North Chicago, Ill., for 45 percent of $300,000.

Phenolic resins—Union Carbide & Carbon Corporation, Marietta, Ohio, for 55 percent of $5,740,000.

Phthalic anhydride — American Cyanamid Company, Bridgeville, Pa., for 30 percent of $6,165,000.

Plastics—Zenith Plastics Company, Gardena, Calif., for 45 percent of $110,000; American Polymer Corporation, Peabody, Mass., for 55 percent of $89,400.

Pyrrhotite sulphur—Vermont Cooper Company, South Strafford, Vt., for 70 percent of $75,114.

Refined isoprene—Dewey & Almy Chemical Company, Acton, Mass., for 60 percent of $440,000.

Synthetic resins—Acme Resin Corporation, Chicago, Ill., for 55 percent of $317,935.

Sulphuric acid—National Lead Company, St. Louis, Mo., for 70 percent of $957,346; Blockson Chemical Company, Joliet, Ill., for 70 percent of $4,000,000.

Copper Sulphate, Bismuth Salts, Glycerin Quotas Set

Second quarter, export quotas have been established for certain copper and aluminum products and copper sulphate by the Office of International Trade. The agency also announced second and third quarter quotas for bismuth salts and compounds and an increase in the second quarter export quota for glycerin.

A 700,000-pound export quota was set for copper-base alloy and copper pipe fittings for the second quarter. For bronze, brass, and copper welding rods and electrodes, the quota is 708,000 pounds for the second quarter. The aluminum products quota for the second quarter is 2,305,000 pounds for such items as coils, door and window sashes, welding rods, wire screens, etc.

An 18,000,000-pound quota was established for second quarter exports of copper sulphate or blue vitriol and copper sulphate, including basic and tribasic copper sulphate. For bismuth salts and compounds, the export quota is 130,000 pounds (metal content) for each of the second and third quarters.

The second quarter export quota for crude and refined glycerin was increased 5,000,000 pounds to a total of 5,800,000 pounds. The additional glycerin, which OIT said is readily available from United States production and stocks, is needed to meet increased requirements for the production of explosives for mining purposes in friendly areas. US production of glycerin now exceeds 210,000,000 pounds a year, and decreased domestic consumption has resulted in larger stocks, the agency added.

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Phosphoric Acid, Phosphates Capacity Upped by Monsanto

Monsanto Chemical Company, St. Louis, Mo., has increased its capacity to produce phosphoric acid, ammonium phosphates and potassium phosphates for use in formulating liquid and water soluble fertilizers. In making the announcement, W. R. Corey, manager of phosphates and detergent sales for the company's phosphate division, said that the move was made to help fertilizer manufacturers meet the greatly increased demand by home gardeners and farmers for plant nutrients that are completely water soluble for application as liquids.

Canco Sales Manager

D. B. Craver has been named general manager of sales for American Can Company, New York. Mr. Craver, who has been associated with the can-making firm for more than twenty years, previously served in Chicago as manager of sales for the company's central division. His new appointment fills a vacancy created last year by T. E. Alwyn's election as vice-president in charge of sales.

Corn Products Co. Starts Up Glucuronolactone Operations

Corn Products Refining Company, New York, has announced the start of production of glucuronic acid (in the lactone form) at its newly completed plant at Argo, Ill. This new plant, first of its kind, will make glucuronolactone available in commercial quantities. It will also reduce the high cost which has been associated with glucuronic acid production by older methods.

Glucuronic acid has been known to chemists for almost a century. The first published reference to it goes back to 1855. However, research was hampered by the minute amounts of glucuronic acid available for experiments. It was found that, when toxic materials such as borneol were fed to dogs, the toxins would be excreted in the urine combined with glucuronic acid. This led to the belief that the glucuronic acid was formed by the body to act as a sweeping compound to enable the system to throw off the toxins. Until a synthetic process for making glucuronic acid from corn was devised, it was necessary for research workers to recover it in small amounts from these excreted compounds.

Barrett in Full Production On Isonicotinic Acid June 1

Production by synthesis, on a heretofore unachieved commercial scale, of isonicotinic acid has been announced by the Barrett Division, Allied Chemical & Dye Corporation, New York. This is the basic compound from which isonicotinic acid hydrazide is made to produce the new anti-tuberculosis drugs. Barrett will be in full-scale production of the compound by June 1.

Jefferson Has Pilot Plant Lots of Ethylene Carbonate

Jefferson Chemical Company, New York, has announced that it has begun the manufacture of a new chemical, ethylene carbonate, in pilot plant quantities. Samples of this material and technical bulletins describing its properties are available to the trade upon application to the company's market development division.

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Price Trend Gains Slightly

A generally firmer tone prevailed in three of the divisions of the general market for chemicals, oils and drugs last week and the overall price index number climbed 0.5 point above that of the previous week. It was 13.3 points below that of the comparable date last year.

Strength of crude edible oils and better grades of tallow buoyed the oils and fats market. Although buying of essential oils remained sluggish, all price changes were upward, primarily for materials in short supply. Among the leather chemicals, higher quotations were reported for mangrove bark and valonia cups. The textile chemicals market was featured by a boost in egg albumen prices.

Except for twenty-six changes in botanicals listed on page 63, price changes during the past week were as follows (the numbers in parentheses after changes indicate the pages on which the market reports will be found):—

Prices Advanced

Acid, stearic, ¾c. per lb. (74).
Copra, $5 per ton (74).
Dried, blood, Chicago, 25c. per unit of ammonia (44).
Egg albumen, edible, 8c. per lb. (49).
Greases, choice white, 1⅜c. per lb. (74).
yellow, 1c. per lb. (74).
Mangrove bark, $3 per ton (49).
Oil, anise, 10c. per lb. (65).
cedarwood, 5c. per lb. (65).
coconut, crude, Pac. coast, ¼c. per lb. (74).
New York, ½c. per lb. (74).
fatty acid, 1c. per lb. (74).
corn, crude, ½c. per lb. (74).
ref., ½c. per lb. (74).
cottonseed, crude, ½c. per lb. (74).
fatty acid, ¼c. to ½c. per lb. (74).
ref., ½c. per lb. (74).
grease, ½c. to 1c. per lb. (74).
guiacwood, 10c. per lb. (65).
lemongrass, 10c. per lb. (65).
neroli, French, $20 per lb. (65).
peanut, crude, ¾c. per lb. (74).
ref., ¾c. per lb. (74).
red, ¾c. per lb. (74).
soybean, crude, ¼c. per lb. (74).
fatty acid, ¼c. to ½c. per lb. (74).
ref., ½c. per lb. (74).
spearmint, 40c. per lb. (65).
wormseed, 15c. per lb. (65).
Tallow, extra, ¾c. per lb. (74).
fancy, ¾c. per lb. (74).
special, ¾c. per lb. (74).
fatty acid, ¾c. to 1c. per lb. (74).
Tankage, 25c. per unit of ammonia (44).
Valonia cups, $1 per ton (49).

Prices Reduced

Antimony metal, 5c. per lb. (38).
oxide, c.l., 3½c. per lb. (69).
l.c.l., 3c. per lb. (69).
Casein, Argentine, 2¼c. per lb. (69).
Cocoa butter, 1c. per lb. (51).
Lead, linoleate, 2½c. per lb. (69).
Naphthenate, liquid, 16%, ¼c. per lb. (69).
24%, ½c. per lb. (69).
solid, 37%, 1½c. per lb. (69).
Oleate, 3½c. per lb. (69).
Tallate, liquid, 16%, ¼c. per lb. (69).
24%, ½c. per lb. (69).
Molasses, blackstrap, feed grade, 1c. per gal. (51).
Oil, oiticica, ¼c. per lb. (74).
rapeseed, 1c. per lb. (74).
Potato starch, Dutch, ¼c. per lb. (49).
Shellac, bleached, 1c. per lb. (69).
Superfine, 1c. per lb. (69).
TN, 2c. per lb. (69).
Silver cyanide, 2¼c. per oz. (51).
Tributyl phosphate, c.l., l.c.l., 11¾c. per lb. (69).
Wattle bark, $2 per ton (49).
Wax, bees, Afr., crude, 1c. per lb. (74).

OPD Price Index

The OIL, PAINT AND DRUG REPORTER'S relative record of prices of chemicals and related materials is currently as follows:—

May 16, 1952	May 9, 1952	July 1, 1950	May 25, 1951
139.9	139.4	121.0	153.2

OPD Index Monthly Averages

The base of the OPD Price Index is the average of prices in 1926 and 1936, those years representing extremes of price undulations in the interwar period.

	1952	1951	1947	1946	1941
January	146.6	150.8	150.9	135.3	107.3
February	144.7	153.3	151.9	135.4	110.3
March	141.5	154.3	154.9	135.2	119.9
April	141.0	154.5	152.3	134.9	115.5

Standardization Parley To Hear Willard Thorp

The International Organization for Standardization, which will hold its first meeting in this country from June 9 to 26 at Columbia University, New York, will hear Willard L. Thorp, assistant US secretary of state for economic affairs, at a banquet session, to be held June 19 at the Waldorf-Astoria hotel. The American Standards Association, United States member of the thirty-three-nation ISO, is acting as parley host on behalf of American industry.

MCA Adds Gosnell To Washington Staff

John Gosnell has joined the Washington office staff of the Manufacturing Chemists Association, as an assistant secretary. Mr. Gosnell was formerly with the National Production Authority, where he served as deputy to Kenneth Klipstein, assistant NPA administrator in charge of the chemical, rubber and forest products bureau. For several years during World War II, Mr. Gosnell was in the Reconstruction Finance Corporation as assistant to the president of the Defense Plants Corporation. He is a former assistant general counsel of the Coca-Cola Company and has also engaged in private law practice.

FDA Issues Revised Oleomargarine Rules

Amended regulations covering the manufacture and labeling of oleomargarine were issued by the Federal Food and Drug Administration May 21, to become effective in ninety days. The regulations follow closely the tentative order issued by the agency last October.

The principal changes made to the old regulations were to raise the quantity of vitamin A to be included in the product from 9,000 units to 15,000 units, and to allow the use of synthetic vitamin A, provitamin A, citric acid, isopropyl citrates and stearyl citrate as optional ingredients.

Heretofore only the natural vitamin A derived from fish oils have been authorized for use in oleomargarine. The broadening of the regulations to permit use of the synthetic product, opens a broad new market for this item. When vitamin A is needed, it must be shown on the label, but it is not necessary to differentiate between the synthetic or the natural product. When provitamin A is added, however, it is considered also as an artificial coloring and must be so stated on the label.

The use of citric acid, isopropyl citrates and stearyl citrate in the manufacture of oleomargarine is to counteract the tendency of soybean oil, once it has been refined, to develop an undesirable flavor. When these products are added in the manufacturing process, they must be shown on the label with the notation that they have been added as a preservative.

When isopropyl citrates are used it has been found necessary to use to mono- and diglycerides of fat-forming fatty acids as a dispersing agent, and permission is granted in the regulations for the use of these agents up to a total of 0.5 percent of the weight of the finished oleomargarine. Stearyl citrate is more soluble in fatty oils than the isopropyl citrate esters and use of a dispersing agent is not necessary.

Dimethyl Formamide Price Reductions Made by duPont

Price reductions on dimethyl formamide (DMF), a new solvent, have been announced by the Grasselli chemicals department of E. I. duPont de Nemours & Co., Wilmington, Del. The reductions, which range up to 20 percent, were attributed to savings from volume manufacture resulting from increased market requirements. This is the second price decrease since DMF was introduced as a commercially available product just over two years ago. Representative of the price reductions is the decrease in tankcar lots from 53 cents to 42 cents per pound, f.o.b. Strang, Tex.

P.A.'s-Eye View of Business

Composite view, May 25, of purchasing agents composing the Business Survey Committee of the National Association of Purchasing Agents.

Purchasing agents, in their May survey of business conditions, report a continuance of the declining trend of the past several months. There has been a belated seasonal pickup in orders and production in some lines, but it has been far outbalanced by the declines. Again this month, as in March, production has declined in an attempt to meet the lowering order position, but there is still a sizable gap between the two. Cutting the production pattern to fit the demand cloth is the current problem of many manufacturers.

Additional prices are down in May as a buyers' market spreads to other commodities. Inventory reductions are more prevalent, 50 percent reporting that trend. The number of employees is off again and shorter working time is noted. Buying policy, in line with these conditions, is very conservative, much to the low side of a "hand-to-mouth" to ninety-day range.

Purchasing men, taking a short view of the future, are of the opinion that there will be a continuing gradual decline through the third quarter; they believe that availability, capacity, and competition will act as an effective brake on any inflationary wage and price pattern that may result from the steel situation.

Commodity Prices

The May survey indicates that we are in a price adjustment period. Thirty-five percent report lower quotations on some of the materials they buy. The predominant purchasing opinion is that the general trend of industrial material prices will be down as we move farther into a buyers' market. Commenting on the possible increase in steel labor costs, which could set a pattern for other commodities, most purchasing executives express the opinion that additional capacity and supply, with decreasing demand, will increase the competition already showing up in many markets.

Inventories

Another sharp decline of industrial inventories is shown in the May survey. Fifty percent report this condition, and it is necessary to go back to the third quarter of 1949 to get a comparable picture. Availability, shortening lead time, declining production schedules, lower order books, and the indication that the price trend will continue down, all influence the policy of inventory liquidation followed for the past six months.

Employment

Only 9 percent report additions to pay rolls, while 24 percent report separations or layoffs. The tendency to reduce overtime and work shorter weeks continues in May. Lack of orders, production declines, and the reluctance of industrial managements to increase stocks of finished goods, are the reported causes. Highly skilled workers are still in demand. Agriculture and outdoor work are absorbing some nonskilled labor.

Buying Policy

The conservative policy of short-range purchasing commitments still prevails; 96 percent are at ninety days or under, with the accent on "hand-to-mouth" to sixty

—*Continued on page 76*

Reichhold Chemicals, Inc. Entering Cellulose Field

Henry H. Reichhold, chairman of the board of Reichhold Chemicals, Inc., New York, last week announced the establishment of a new south Atlantic division at Jacksonville, Fla., marking the entrance of the company into the cellulose field.

Jacksonville, according to Mr. Reichhold, was selected as the site for the new division because it is also a naval stores center, making it a logical place at which to carry on current Reichhold research into terpene derivatives. In addition, this further expansion in the south is expected to eventually relieve the pressure of the company's production facilities at Tuscaloosa, Ala., and Charlotte, N. C., which supply resin adhesives and paper processing resins to the south's plywood, furniture and paper industries. Jacksonville, it was said, will also furnish a base of operations for the company's contemplated push into Cuba and Puerto Rico, which Mr. Reichhold regards as important potential markets in the immediate future.

In addition to sales offices, present Reichhold facilities at Jacksonville include technical service, research and development laboratories, as well as pilot plant equipment. General manager of the new division is R. B. Fellows, formerly sales manager of RCI's southern division at Tuscaloosa. He will be assisted by Ralph Johnson and Harry Crofton, transferred from Reichhold's eastern division at Elizabeth, N. J. Mr. Fellows is being succeeded as sales manager at Tuscaloosa by T. P. Shumaker.

Tributyl Phosphate Now Available from Ohio-Apex

Ohio-Apex, Inc., a division of Food Machinery & Chemical Corporation, Nitro, W. Va., is now producing tributyl phosphate in commercial quantities. An odorless, colorless liquid, tributyl phosphate is described as an excellent anti-foam agent in the production of paints, water-soluble adhesives, inks, casein solutions and rubber latex. The Ohio-Apex water-white tributyl phosphate can be obtained direct from the Nitro plant or through the company's agents in most major cities.

Soybean Meal Ceiling Held Illegal by Trade

The Office of Price Stabilization was charged by a group of soybean growers and processors May 19 with having established a ceiling price on soybean oil meal which is illegal under the defense production act. The group, represented by John D. Conner, Washington attorney, asked that ceilings on all soybeans and soybean products be removed so that they can return to their normal relationship to each other without government interference.

Ceiling price on soybean oil meal was fixed at $81 a ton, bulk, f.o.b. Decatur, Ill., by OPS under amendment 3 to the GCPR last April 23. In a formal protest filed with the agency, the group contended that this ceiling was illegal for the following reasons:—

1. It does not reflect to producers of soybeans the highest price received by them during the period from May 24, 1950, to June 24, 1950.

2. It does not allow a generally fair and equitable processing margin.

3. It does not make appropriate allowance for the unusual increase in the cost of production of soybean oil meal which has resulted from the decline of the price of soybean oil, or for the other hazards occurring in the production and marketing of soybeans.

4. It is generally unfair and inequitable to sellers and buyers of soybean oil meal.

5. It is contrary to congressional policy of aiding and encouraging small business.

American Cyanamid Offers Two New Soil Conditioners

The American Cyanamid Company, New York, announced that it is now marketing an acrylic soil conditioner and stabilizer designated as "Aeritil," in two forms. One is an easily soluble, highly concentrated flake form containing 83 percent of active ingredients. The other is a powder containing 40 percent of active ingredients, in addition to other ingredients claimed to allow uniform mixing throughout the soil. The flake concentrated material is for surface sprinkling, whereas the powdered material is for raking into the soil.

The soluble flake material is expected to find its greatest market with home owners and gardeners, and the recommended application is one pound sprinkled over a 200 square foot area to thoroughly previously tilled soil. The powdered lower concentrated material was expected to find its greatest market in greenhouses, parks, along highways, and on commercial farms. The recommended application is one pound per 100 square feet raked into the soil to a depth of not more than one-half inch.

Formaldehyde Plant Opened By Borden Co. at Demopolis

Opening of the Borden Company's new chemical plant at Demopolis, Ala., the first in the southeast to manufacture formaldehyde, synthetic resins and hexamethylenetetramine, was announced May 22 by William F. Leicester, president of the company's chemical division. The plant was built at a cost of more than $1,000,000.

Initial annual production of the plant will approximate 20,000,000 pounds of formaldehyde, 24,000,000 pounds of synthetic resins, and 1,200,000 pounds of hexamethylenetetramine, an intermediate product used by the plastics and chemical industries in the manufacture of other products. If the national defense program requires it, the production of the intermediate can be stepped up to 4,000,000 pounds annually, Mr. Leicester said.

Pittsburgh Coke Chemical Activities Headed by Menke

Pittsburgh Coke & Chemical Company announced May 23 the election of W. Kenneth Menke to the newly created post of vice-president in charge of chemicals. Before he recently joined Pittsburgh Coke & Chemical, Mr. Menke had been with Monsanto Chemical Company, St. Louis, for seventeen years in various operating, research and administrative positions, the most recent having been director of Monsanto's development department.

Acrylamide Now Available

American Cyanamid Company, New York, announced today that a new acrylic monomer, acrylamide, is now available in trial lots. Acrylamide is a crystalline product with comparatively long shelf life and easily-gained polymerization and copolymerization.

Washington Talks It Over

By Ralph L. Cherry

The Reconstruction Finance Corporation would like to rid itself of the synthetic rubber production business but congress won't let it so long as the international situation remains as it is. The attitude on Capitol Hill seems to be that private industry can't be counted upon to keep the plants running and the only way we can be sure of having plenty of rubber for a sudden emergency is for the government to run the plants.

This somewhat dubious position taken by congress is a little difficult to understand and doesn't conform to pattern. Ordinarily in matters of this kind involving the power and functions of a government agency, one would expect to find the agency fighting to save its authority and congress trying to cut it back. But in this instance, here is an agency trying to drop some of its functions and congress insisting that they be retained.

With both the prices and the government-owned stock of natural rubber at satisfactory levels, the need of synthetic rubber is not so acute as at the start of the Korean war and RFC Administrator McDonald told a group of Chicago bankers last week that the agency is looking around for some way to put the synthetic rubber industry into private hands. But he will have to convince congress first that this will be a wise move.

At the present time, congressional concern is whether the law providing for government operation of the plants should be extended for a period for one year or two years. The house favors a two-year extension.

Fertilizer Glut Feared

The National Fertilizer Association sees the industry facing a rather momentous task in the immediate years ahead of how to get rid of all the fertilizer that will be coming on the market as a result of the expansion plans underway, without some producers going broke. In so many words, the association is advising its members that the industry is facing a real selling and educational job.

This is what it says in the latest issue of *Fertilizer News*:—

"Close correlation between gross farm income and fertilizer sales has long been apparent. In general, farmers have spent for fertilizer an amount equal to about 2¼ percent of their previous year's gross income. A logical explanation for this fact is hard to find. It is more likely, however, that the buying habits of our farmers are firmly established and these habits will be hard to break. Recently there have been signs that this relationship is beginning to crumble, and the plain fact of the matter is that this long-time relationship must be broken if the fertilizer industry is to continue to operate on a profitable basis.

"USDA currently estimates that gross farm income this year is leveling off and will be about equal to 1951 gross income. Fertilizer supplies, however, will be up next year. While no one can accurately predict farm income in the future, certainly it will not go up anything like 60 percent during the period 1951-55, although supplies of fertilizer will probably be up about that much. It is apparent that the continuing prosperity of the fertilizer industry depends upon the industry's ability to break the past relationship between gross farm income and fertilizer sales.

"The use of fertilizer is, of course, tre-

—*Continued on page 36*

Cabot Executive Aid

Raymond R. Rossman has been named executive assistant to the vice-president and general sales manager of Godfrey L. Cabot, Inc., Boston, Mass. Mr. Rossman has been with Cabot since 1937, and much of his work during the past several years has been in technical sales and service, with particular emphasis on the problems of the rubber industry. At earlier points in his career, he headed the rubber compounding and testing groups of both the Boston and Pampa, Tex., laboratories.

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Association Meetings

American Association of Textile Chemists and Colorists, annual meeting, Statler hotel, Boston, Mass., November 6-8.

American Chemical Society, national meeting, Atlantic City, N. J., September 14-19.

American Council of Commercial Laboratories, annual meeting, Schenley hotel, Pittsburgh, Pa., November 12-14.

American Leather Chemists Association, annual meeting, New Ocean House, Swampscott, Mass., June 1-4.

American Pharmaceutical Manufacturers Association, midyear meeting, Roosevelt hotel, New York, December 8-10.

American Plant Food Council, annual meeting, The Homestead, Hot Springs, Va., June 19-22.

American Society for Testing Materials, annual meeting, Statler and New Yorker hotels, New York, June 23-27.

American Soybean Association, annual convention, Purdue University, Lafayette, Ind., September 9-11.

American Standards Association, annual meeting, Waldorf-Astoria hotel, New York, November 19.

American Tung Oil Association, annual meeting, Admiral Semmes hotel, Mobile, Ala., October 8-10

Association of Consulting Chemists and Chemical Engineers, outing, Westchester Country Club, Rye, N. Y., June 6; annual symposium, Belmont Plaza hotel, New York, October 28.

Chemical Institute of Canada, annual conference and exhibition, Mount Royal hotel, Montreal, June 2-4.

Chemical Market Research Association, annual meeting, Roosevelt hotel, New York, June 5.

Chemical Specialties Manufacturers Association; midyear meeting, Sheraton-Plaza hotel (formerly Copley-Plaza hotel), Boston, Mass., June 8-10

Drug, Chemical and Allied Trades section of New York Board of Trade, spring luncheon meeting, Astor hotel, New York, June 11; annual meeting, Pocono Manor Inn, Pocono Manor, Pa., September 25-28.

Federal Wholesale Druggists Association, annual convention, Greenbrier hotel, White Sulphur Springs, W. Va., September 14-18.

Federation of Paint and Varnish Production Clubs, annual meeting, Palmer House, Chicago, November 20-22.

Flavoring Extract Manufacturers' Association, annual meeting, Edgewater Beach hotel, Chicago, May 25-28.

Forest Products Research Society, annual meeting, Schroeder hotel, Milwaukee, Wis., June 23-25.

International Grassland Congress, Pennsylvania State College, State College, Pa., August 17-23.

International Organization for Standardization, triennial meeting, Columbia University, New York, June 9-26.

Manufacturing Chemists Association, joint meeting with SOCMA, Greenbrier hotel, White Sulphur Springs, W. Va., June 23-25; semi-annual meeting and winter conference, Statler hotel New York, November 25.

National Association of Purchasing Agents, annual convention, Convention Hall, Atlantic City, N. J., May 26-28.

National Fertilizer Association, annual meeting, Greenbrier hotel, White Sulphur Springs, W. Va., June 16-18.

National Foreign Trade Council, Waldorf-Astoria hotel, New York, November 11-19.

National Paint, Varnish and Lacquer Association, annual convention, Palmer House, Chicago, November 17-19.

National Pest Control Association, annual meeting, Rice hotel, Houston, Tex., October 20-22.

National Petroleum Association, annual meeting, Traymore hotel, Atlantic City, N. J., September 10-12.

Packaging Machinery Manufacturers Institute, annual meeting, Homestead hotel, Hot Springs, Va., September 11-14.

Society of Cosmetic Chemists, semi-annual meeting, Biltmore hotel, New York, December 11.

Synthetic Organic Chemical Manufacturers Association, joint meeting with MCA, Greenbrier hotel, White Sulphur Springs, W. Va., June 23-25.

Consulting Chemists Spring Outing to Be Held June 6

The Association of Consulting Chemists and Chemical Engineers will hold its annual spring outing June 6 at the Westchester Country Club, Rye, N. Y., beginning at 1 p.m., and lasting through the evening. Golf and tennis will be part of the afternoon entertainment, and card games will be played after dinner. Dinner is scheduled at 6:30 p.m. Price per plate is $6. Non-members' letterhead reservations must be received not later than May 30, accompanied by check to the order of the association. Ladies are welcome.

Spice Ass'n Elects Frank

The American Spice Trades Association has elected John J. Frank president of the organization. Mr. Frank is vice-president and general manager of Frank Tea & Spice Company, Cincinnati, Ohio.

Leather Chemists to Meet

The American Leather Chemists Association will hold its annual meeting June 1 to 4 at the New Ocean House, Swampscott, Mass.

Oils, Fats Consumption: March

Factory consumption of primary oils, fats, fatty acids, and related materials, in March, 1952, totaled 1,312,512,000 pounds, according to the Bureau of Census. Consumption in the major specified lines of industry included the following quantities:—

	Pounds
Edible products	275,298,000
Paint and varnish	43,366,000
Processing	284,734,000
Refining	477,651,000
Soap	129,401,000

Factory consumption of individual materials was reported as follows:—

Oils

	Pounds	
Babassu—	Crude	Refined
Refining	[1]	
Soap	[1]	324,000
Other		[1]
Castor—	No. 1	No. 2
Refining		
Fat-splitting	[1]	
Sulphonation	157,000	326,000
Soap	[1]	[1]
Paint and varnish	198,000	[1]
Linoleum and oilcloth	[1]	
Chemicals	286,000	[1]
Lubricants and greases	18,000	41,000
Other uses	[3]3,793,000	1,522,000
Castor, dehydrated—		
Soap		
Paint and varnish		1,004,000
Linoleum and oilcloth		[2]
Lubricants and greases		[2]
Other uses		[2]282,000
Coconut—	Crude	Refined
Refining	33,170,000	
Deodorizing		7,137,000
Hydrogenation		2,752,000
Fat-splitting	3,281,000	
Sulphonation	61,000	[1]
Shortening		1,309,000
Other edible products	[1]	2,455,000
Chemicals	[1]	[1]
Soap	7,519,000	7,938,000
Paint and varnish		219,000
Other uses	[1]1,063,000	[1]
Cod and codliver—		All grades
Sulphonation		[4]
Deodorizing		
Paint and varnish		
Other uses		[1]1,132,000
Corn—	Crude	Refined
Refining	19,140,000	
Sulphonation		[1]
Deodorizing		[1]
Winterizing for salad oil		6,871,000
Shortening		[1]
Oleomargarine		[1]
Other edible uses	[1]	6,672,000
Soap	[1]	[1]
Paint and varnish		[1]
Other uses	[1]38,000	159,000
Cottonseed—	Crude	Refined
Refining	149,341,000	
Sulphonation		
Hydrogenation		36,025,000
Deodorizing		1,237,000
Winterizing for salad oil		43,385,000
Shortening		19,170,000
Oleomargarine		6,089,000
Other edible uses		996,000
Soap		[1]
Paint and varnish		[1]
Other uses	[1]	[1]58,000
Fish—	Menhaden	Sardine
Refining	[5]	[5]
Fat-splitting		
Sulphonation	[5]	244,000
Soap		
Paint and varnish	986,000	684,000
Linoleum and oilcloth	[5]	[5]
Lubricants and greases	95,000	[5]
Other uses	[5]473,000	[5]211,000
Fish, other—	Crude	Refined
Refining		
Paint and varnish	18,000	101,000
Other uses	350,000	119,000
Fishliver, other than cod—		
Sulphonation		
Lubricants and greases		
Other uses		[5]569,000
Linseed—	Raw	Refined
Refining	22,200,000	
Fat-splitting	[1]	
Soap	[1]	
Paint and varnish	8,895,000	15,025,000
Linoleum and oilcloth	6,371,000	1,196,000
Lubricants and greases	[1]	[1]
Other uses	[4]4,355,000	[5]5,247,000
Marine mammal—		All grades
Refining		
Sulphonation		340,000
Paint and varnish		
Chemicals		[5]
Lubricants and greases		1,128,000
Other uses		269,000
Neatsfoot—		All grades
Refining		
Sulphonation		86,000
Soap		
Chemicals		[5]
Lubricants and greases		24,000
Other uses		[5]222,000
Oiticica—		All grades
Paint and varnish		677,000
Linoleum and oilcloth		[1]
Other uses		142,000
Olive—	Edible	Inedible
Edible uses	[1]	
Soap		[1]
Other uses	[1]	
Oleo—		All grades
Shortening		[4]
Oleomargarine		176,000
Other edible uses		[4]
Soap		[4]
Lubricants and greases		[5]
Other uses		[5]
Palm—	Crude	Refined
Soap	[1]	[1]
Lubricants and greases	[1]	[1]
Other uses	2,714,000	[1]
Palmkernel—	Crude	Refined
Soap		
Peanut—	Crude	Refined
Refining	[1]	
Sulphonation		116,000
Hydrogenation		1,114,000
Deodorizing		3,278,000
Winterizing for salad oil		[1]
Shortening		310,000
Oleomargarine		[1]
Other edible uses		670,000
Soap		[1]
Other uses	[1]	[1]178,000
Perilla—		All grades
Paint and varnish		
Rapeseed—		
Lubricants and greases		[1]319,000
Sesame, refined—		
All uses		[1]
Soybean—	Crude	Refined
Refining	191,865,000	
Fat-splitting	[1]	
Sulphonation	10,000	55,000
Hydrogenation		59,989,000
Deodorizing		7,993,000
Winterizing for salad oil		[1]
Shortening		49,096,000
Oleomargarine		5,869,000
Other edible uses		9,083,000
Soap	76,000	30,000
Paint and varnish	403,000	5,443,000
Chemicals	[1]	[1]
Lubricants and greases	[1]	27,000
Linoleum and oilcloth	[1]	1,577,000
Other uses	3,735,000	[1]11,395,000
Tallow—		All grades
Soap		
Lubricants and greases		657,000
Other uses		[2]
Tung—		
Paint and varnish		3,384,000
Chemicals		
Lubricants and greases		[1]
Linoleum and oilcloth		[1]
Other uses		566,000
Vegetable, not specified—		
Refining		11,976,000
Fat-splitting		350,000
Hydrogenation		[1]1,893,000
Sulphonation		[1]111,000
Winterizing for salad oil		12,145,000
Shortening		[1]23,000
Oleomargarine		16,000
Other edible uses		921,000
Soap		[1]1,057,000
Paint and varnish		512,000
Linoleum and oilcloth		85,000
Chemicals		[2]2,066,000
Lubricants and greases		[1]300,000
Other uses		[1]10,901,000

Fats and Greases

Grease and lard oil—		
Sulphonation		215,000
Soap		
Lubricants and greases		1,974,000
Other uses		[2]901,000
Grease, not specified—		
Refining		
Fat-splitting		5,781,000
Winterizing		
Sulphonation		11,000
Hydrogenation		[4]
Pressing		6,855,000
Soap		228,000
Lubricants and greases		882,000
Other uses		[2]732,000
Lard—	Rendered	Refined
Shortening	10,847,000	6,520,000
Oleomargarine	322,000	
Hydrogenation	3,403,000	[4]
Other edible uses	135,000	451,000
Soap		
Lubricants and greases	[2]	[2]
Other uses	[2]	[2]
Stearin, animal—	Edible	Inedible
Shortening	564,000	
Oleomargarine	314,000	
Other edible uses	125,000	
Soap		228,000
Other uses	[2]	292,000
Stearin, vegetable—		
Shortening		4,403,000
Oleomargarine		[2]
Hydrogenation		2,013,000
Other edible uses		[4]
Other uses		
Tallow, edible—	Crude	Refined
Refining	[5]	
Fat-splitting		[5]
Hydrogenation	[5]	[5]
Sulphonation		
Shortening	1,416,000	504,000
Soap		[4]
Lubricants and greases	[5]	
Other uses	[3]95,000	[4]5,000
Tallow, inedible—	Crude	Refined
Refining	21,678,000	
Fat-splitting	11,635,000	
Hydrogenation	679,000	[5]
Pressing	[5]	
Sulphonation	363,000	110,000
Shortening		
Other edible uses		
Soap	52,356,000	19,952,000
Lubricants and greases	1,702,000	[5]
Other uses	[3]6,836,000	122,000

Fatty Acids and Acid Stocks

Animal fat and oil fatty acids, not specified—	
Winterizing and pressing	4,557,000
Soap	1,35[illegible],000
Lubricants and greases	493,000
Other uses	[6]6,645,000
Animal oil foots (100 percent basis)—	
Soap	2,631,000
Other uses	[5]
Fatty acid stocks, not specified—	
Refining	
Fat-splitting	[5]
Sulphonation	
Soap	151,000
Paint and varnish	46,000
Linoleum and oilcloth	
Lubricants and greases	[2]
Other uses	[3]328,000
Fish and marine mammal oil fatty acids—	
Sulphonation	63,000
Paint and varnish	
Lubricants and greases	[5]
Other uses	140,000
Fish and marine mammal oil foots (100 percent basis)—	
All uses	112,000
Olive oil foots (including sulphur oil)—	
Soap	[1]
Red oil—	
Sulphonation	238,000
Soap	1,572,000
Paint and varnish	16,000
Chemicals	1,088,000
Lubricants and greases	296,000
Other uses	[2,4]1,443,000
Stearic acid—	
Sulphonation	[2]
Soap	279,000
Paint and varnish	17,000
Lubricants and greases	176,000
Chemicals	555,000
Other uses	[2,4]3,010,000
Vegetable oil fatty acids—	
Sulphonation	[2]
Hydrogenation	[2]
Soap	2,581,000
Paint and varnish	1,370,000
Lubricants and greases	26,000
Chemicals	371,000
Other uses	[4]7,266,000
Vegetable oil foots (100 percent basis)—	
Fat-splitting	12,693,000
Soap	3,791,000
Paint and varnish	47,000
Other uses	[3]52,000

Unclassified

Materials not shown separately—	
Refining	1,816,000
Fat-splitting	1,760,000
Hydrogenation	5,426,000
Sulphonation	545,000
Pressing	1,463,000
Shortening	[4]
Oleomargarine	712,000
Soap	[4]
Paint and varnish	122,000
Linoleum and oilcloth	229,000
Chemicals	4,076,000
Lubricants and greases	620,000
Other uses	9,688,000

[1] Included in "Total of vegetable oil not shown separately, including small quantities for items for which data are not reliable."
[2] Included in "Total of secondary products not shown separately, including small quantities for items for which data are not reliable."
[3] Included in materials other than vegetable oils not shown separately, including small quantities for items for which data are not reliable.
[4] Not shown to avoid disclosure of individual operations.

NCPA Official Attacks Defense Production Act

W. B. Coberly, jr., Los Angeles, was elected president of the National Cottonseed Products Association at the fifty-sixth annual convention, held May 19 and 20, at the Roosevelt hotel, New Orleans, La. He succeeded J. H. Bryson, Dothan, Ala., as head of the national organization of cotton oil mills and related firms. More than six hundred attended the New Orleans meeting.

The association's executive vice-president, T. H. Gregory, reported on the year's effort to obtain certain amendments to the defense production act, most important of which is one that would prohibit the rollback of ceiling prices. When this was first proposed last February, he said, there was little enthusiasm for it in the congressional committees handling the legislation, and many members of the industry showed little interest in the need for it.

Need for Amendment Shown

"The recent rollback of 5½ cents per pound in the ceiling price on cottonseed oil has, I believe, demonstrated the necessity for such an amendment," Mr. Gregory declared. "While the press has reported that OPS plans to cancel this rollback, that action should not be taken too seriously. The announcement was made in an attempt to enlist support for renewal of the price control act in the senate and house. If the act is renewed as is, the rollback can be reinstated at any time."

Mr. Gregory stated that if price controls are extended, it is essential that administrative action be taken before the new season to establish generalized, area ceilings for cottonseed meal. Such action, he said, should correct the improperly low ceilings in the far west and the unbalanced cottonseed and soybean meal ceilings that were created by the recent OPS increase in the ceiling on soybean meal.

Directors elected were:—E P. Kidd, Birmingham, Ala.; I. W. Dunklin, Pine Bluff, Ark.; O. L. Frost, Bakersfield, Calif.; Sam McGowan, Cartersville, Ga.; C. W. Wallace, West Monroe, La.; A. K. Shaifer, Clarksdale, Miss.; W. T. Melvin, Rocky Mount, N. C.; A. L. Durand, Chickasha, Okla.; E. H. Lawton, Hartsville, S. C.; P. T. Pinckney, Tiptonville, Tenn.; C. T. Prindeville, Chicago; W. F. Guinee, New Orleans; W. H. Knapp, Cincinnati; Joe Flaig, Dallas, Tex.; Ben R. Barbee, Abilene, Tex.; F. Earl Davis, Harlingen, Tex.; S. J. Vaughan, jr., Hillsboro, Tex., and Mr. Bryson.

Solvent Extraction Methods

Solvent extraction of cottonseed was a major subject on the convention program, with E. A. Gastrock, Southern Regional Research Laboratory, New Orleans, discussing filtration extraction, and N. Hunt Moore, consulting engineer, Memphis, reviewing factors to consider before converting to solvent extraction. Other speakers, in addition to association officials and committee chairmen, included George L. Prichard, director of the fats and oils branch, PMA, and Judge Robert Bryan Carr, Montgomery, Ala.

DCAT Names Nominating Committee; Walker Chairman

Charles M. Macauley, of Charles M. Macauley & Associates and chairman of the Drug, Chemical and Allied Trades section, New York Board of Trade, has announced the appointment of the following nominating committee:—Charles P. Walker, Jr., Chas. Pfizer & Co., chairman; Carle M. Bigelow, manager of the pharmaceutical department, Calco Chemical Division of the American Cyanamid Company; Harold C. Green, L. Sonneborn Sons, Inc.; Robert B. Magnus, vice-president of Magnus, Mabee & Reynard, Inc., and Fred J. Stock, general manager, intermediates division, Mathieson Chemical Corporation. Lloyd I. Volckening, president, Ivers-Lee Company, and vice-chairman of DCAT, and Mr. Macauley will be ex-officio members of the committee.

The committee is charged with the preparation of a slate of the new executive committee which will be presented for election at the sixty-second annual meeting of DCAT, at be held at Pocono Manor Inn, Pocono Manor, Pa., September 25 to 28.

Iron & Steel Institute Elects

The American Iron & Steel Institute has elected Max D. Howell, vice-president and treasurer of United States Steel Corporation, to the newly-created post of executive director. Mr. Howell will also serve as treasurer. Walter S. Tower has resigned as president, but will continue as adviser and consultant to the institute. The office of president will remain vacant for the present, the institute stated.

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Current Market Quotations

Chemicals and Related Materials

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Unless otherwise indicated, listings are first-hand quotations prevailing, according to information and belief, May 23 on large lots, f.o.b. New York, with the lowest in the left-hand column and the highest in the right-hand column. The listings do not represent bid and asked prices nor a range over the week. Differences between high and low may be accounted for by differences in quantity, quality, locality, or individual suppliers' views.

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A

Acacia (see Gum arabic)

Acenaphthene below 92.5 C., m.p., dms. works lb. .40 - —
over 92.5 C., m.p. dms. works lb. .50 - —

Acetaldehyde, 99% dms. c.l., frt. equald lb. .1250- .1435
l.c.l., frt. equald lb. .1350- .1535
tanks, frt. equald lb. .1050- .1300

Acetaldol (see Aldol)

Acetanilide tech. bbls. c.l., dlvd. lb. .25½ .26½
l.c.l., ton lots lb. .26½ .27½
smaller lots lb. .29½ .30½
USP, bbls., 2,000-lb. lots lb. .61 —
smaller lots lb. .62 .67

Acetic anhydride, dms., c.l., frt. alld. E lb. .16 —
l.c.l., frt. alld. E lb. .17½ —
tanks, frt. alld. E lb. .14½ —

Acetoacetanilide, fib. dms., c.l. dlvd. lb. .73 - —
l.c.l., dlvd lb. .74 - —

Acetoacetorthochloroanilide, fib. dms., c.l., dlvd lb. 1.14 - 1.22
l.c.l., dlvd lb. 1.15 - 1.23

Acetoacetorthotoluidide, fib. dms., c.l., dlvd lb. .78 - —
l.c.l., dlvd lb. .79 - —

Acetone, CP dms., c.l., dlvd lb. .10¼ .11¾
l.c.l., dlvd lb. .11 .12½
tanks, dlvd lb. .08½- .10

Methyl (see M)

Acetonitrile, dms., c.l. works lb. .45 - —
l.c.l., works lb. .47 - —

Acetophenetidin USP, bbls., works, frt equald lb. 1.15 1.38

Acetophenone, cns. dms lb. 1.35 1.85
tech., dms., l.c.l., works lb. 75 —

Acetyltributyl citrate, tech., dms., c.l lb. .37½- —
l.c.l. lb. .38½- —
tanks lb. .36 - —

Acetyltriethyl citrate tech., dms., c.l lb. .37½ —
l.c.l. lb. .38½ —
tanks lb. .36 - —

Acid, abietic, com'l, dms., c.l., works lb. .12 - —
l.c.l., works lb. .1390- —
cryst., dms., c.l., works lb. .06½- —
l.c.l., works lb. .07 - .07½

Acetic, com'l or redist., 28%, bbls 100 lbs. 5.50 - —
56%, bbls 100 lbs. 9.65 - —
70%, bbls 100 lbs. 11.70 - —
80%, bbls 100 lbs. 12.45 - —
glacial, synthetic, CP, dms., works 100 lbs. 15.90 - 16.00
cbys., inclusive, works 100 lbs. 24.00 - 25.00
tech., dms. c.l., works 100 lbs 10.50 - 12.50
l.c.l., bbls., works 100 lbs. 11.00 - 13.50
tanks works 100 lbs 9.00 - 11.50
USP, dms. works 100 lbs. 13.50 - 14.50

Acetic anhydride (see Acetic anhydride above)

Acetylsalicylic USP special bbls., makers, primary distrib., point of ship't, 1000-lb lots lb. .60 —
standard, fine cryst. gran., (30-40 mesh) powd. (60 mesh), bbls same basis, lb. .55 —

Freight equald, ship't identical quantity over standard routes from N. Y., Phila., Midland, Mich., Chicago and St. Louis.

Adipic, fib. dms., works lb. .30½- —

Aminoacetic NF, bbls., frt. adjusted lb 1.50 1.75

Anthranilic, resub. bbls lb 2.10 —
tech., bbls., frt. equald lb. 1.10 - —

Arsenous, tech (see Arsenic, white).

Arsenic USP (see Arsenic trioxide).

Ascorbic, USP dms. 25-50 kilo lots kilo.24.50 - —
10-kilo lots kilo.24.85 - —
5-kilo lots kilo.25.25 - —
bots., kilo, lots kilo.25.50 - —
500-gram lots kilo 26.00 —

Battery, cbys., c.l., works, E. 100 lbs 2.40 —
l.c.l., works, E 100 lbs. 2.50 - 6.20

Benzoic, tech. bbls. dms., 100 lbs. or more lb. .425 .450
USP, bbls., dms., 100-lb. lots or more lb. .525 - .540

Betahydroxynaphthoic (see Acid, betaoxynaphthoic).

Betaoxynaphthoic, bbls., works lb. 1.35 - 1.39

Boric, tech. 99½% cryst., bgs., c.l., works ton.120 75 - —
ton lots, ex whse., N. Y. or Chi ton.166.50 - —
less ton lots same basis, ton.171.50 - —
bbls., c.l., works ton.145 25 - —
ton lots, ex whse., N. Y. or Chi ton.191.00 - —
less ton lots same basis, ton.196.00 - —
bulk, c.l., works ton.116.75 - —
gran., bgs., c.l. works ton.95 75 - —
ton lots, ex whse., N. Y. or Chi ton.141.50 - —
less ton lots, same basis, ton.146.50 - —
bbls., c.l., works ton.120.25 - —
ton lots, ex whse., N. Y. or Chi ton.166.00 - —
less ton lots, same basis, ton.171.00 - —
bulk, c.l., works ton.91.75 - —
powd., bgs., c.l. works ton.100 75 - —
ton lots, ex whse., N. Y. or Chi ton.146.50 - —
less ton lots same basis, ton.151.50 - —
bbls., c.l., works ton.125.25 - —
ton lots, ex whse., N. Y. or Chi ton.171.00 - —
less ton lots, same basis, ton.176.00 - —
bulk, c.l., works ton.96.75 - —
USP $25 per ton higher.

Broenner's, bbls lb. 1.47 - —

Acid, butyric, 99% dms. c.l., works, lb. .38 - —
l.c.l., works lb. .38½- —
tankcars, works lb. .36½- —

Cacodylic, bots lb. 10.50 - 13.00

Camphoric, ratural, dms lb. 4.00 4.75
synth dms lb 4.00 4.75

Capric, 90% dms., l.c.l. lb. .34¾- .36

Caprylic, 90%, dms., l.c.l. lb. .34¾- .36

Cassello, dms. frt alld lb 1.44 —

Castor oil, split, dms lb. .33¼ .33¾

Chicago, bbls., frt alld lb 1.21 —

Chlorosulphonic, dms. c.l., frt. equald lb. .039 —
l.c.l., frt. equald lb .044 .059
tanks, frt. equald lb. .034 —

Chromic, 99½-99¾% dms., c.l. works lb. .27 - —
l.c.l., works lb. .27½- .28¼

NF (see Chromium trioxide)

Cinnamic, refd. bots lb 2.50 3.50

Citric anhyd, gran, fine gran., 10,000-lb lots, 1 ship't lb. .27 - —
smaller lots lb .27½- —
kgs. lb. .28½- —
Anhydrous citric acid powder ½c per lb. higher
USP, gran., fine gran., dms., c.l. lb. .24½- —
10,000-lb. lots, 1 ship't lb 25 - —
smaller lots lb. .25½- —
kgs. lb. .26½- —
USP citric acid powder ½c. per lb higher

Cleve's, mixed, bls lb 79 —

Cocoanut oil, dist., dms. lb. .18 - .19¼
double dist., dms. lb. .19½- .20¾

Cottonseed oil, dist., dms lb. .10¼- .11½
double dist., dms. lb. .10¾- .1200

Cresylic coaltar, dom 50% above 207°C, non-ret dms., c.l. frt equald gal. 1.31 1.36
l.c.l., same basis gal. 1.34 1.49
ret. dms. c.l. same basis gal 1.28 —
l.c.l., same basis gal 1.33 —
tanks, same basis gal 1.20 1.25
204° to 207° C. non-ret dms., c.l., same basis gal. 1.36 - —
l.c.l., same basis gal 1.39 —
ret. dms. c.l. same basis, gal 1.33 - —
l.c.l. same basis gal 1.38 - —
tanks, same basis gal. 1.25 - —
imp. 75% at 215°C or over, dms., ex whse. gal. 1.10 - 1.25

petroleum, dom 195° to 213°C, non-ret. dms., c.l., San Francisco and Los Angeles gal. 71 —
l.c.l., same basis gal. 73 - .75
tanks, same basis gal .58 —

Acid, cresylic, petroleum, dom., 200° C to 222° C, tanks, Wilmington, Cal gal. 58 63
211° C to 236° C. non-ret. dms., c.l., San Francisco and Los Angeles gal. 63 —
l.c.l., same basis gal 65 67
tanks, same basis gal. 50 —
220° C to 242° C, tanks, Wilmington, Cal gal 50 53
245° C to 298° C, tanks, Wilmington, Cal gal. 46 —

Crotonic, fib dms. works lb 31 —

Cyanoacetic, tech., bbls lb 90 1.23

Desoxycholic bots lb 22.00 - 25.00

Dichlorophenoxyacetic (see under "D" 2,4-D).

Diethylbarbituric (see Barbital)

Diglycolic, bgs. works lb 14 —

Ethylhexoic, dms. c.l., works lb 35 —
l.c.l., works lb 35½ —
tanks, works lb 33½ —

F. crude, paste, bbls., works lb 1.07 —

Folic, bots, fib cns. kilo or more gram 1.60 —

Formic, 85% cbys. c.l. works lb 142 .17
l.c.l. works lb 14½ .22
90%, cbys., c.l. works lb 1475 1750
l.c.l., works lb. 15 23½

Fumaric, tech. bbls. dms lb 37 38

Gallic, NF VII bbls 1,000-lb. lots lb 1.80 —
smaller lots lb 1.82 2.00

Gamma technical, bbls. 1,000-lb lots lb 1.58 —
smaller lots lb. 1.69 1.78

Gamma dry ground, bbls., frt alld lb 1.50 —
paste, bbls., frt alld lb 1.45 —

Gentisic, 100-lb fib dms lb 8.50 —

Gluconic, tech. 50%, bots lb 23½ .31½
dms. lb 14½ —
cbys lb .17½ —

Glumatic, 99½%, laevo, fib. dms., 100 lb lots, works lb 2.45 2.53
25-lb. lots, works lb 2.60 2.68

Glycerophosphoric, 35%, dms., works lb 2.25 2.35

Glycolic (see Acid hydroxyacetic).

H, 100% basis, bbls., works lb .82 —

Hydriodic, 1.50 s.g. cbys lb 2.67 —
1.70 s.g. cbys lb 2.98 —

Hydrobromic, medicinal, 48%, cbys., dlvd E lb .37 43

Hydrochloric (see Acid muriatic)

Hydrocyanic, cyls. works lb. 1.15 - —
dilute, NF 2% 5-lb bots lb .40 - —

Hydrofluoric, anhyd., cyls., works. lb. .24 .25
tanks, works lb. 18 —
70%, steel dms., works lb. .1535- .1955

Hydrofluosilicic, 30-35%, bbls., works lb .07 —

Hydroxyacetic, tech. 70%, bbls., non-return., Phila., basis 100% lb. .12 - —
tanks, Belle, W. Va., basis 100% lb. .065 —

Acid, hypophosphorous, purif., 50%, cbys lb. 1.30 1.32
USP, cbys lb 88 —
J bbls. works, 100% basis lb 2.50 2.85
Koch, bbls. frt alld lb. 64 70
L, bbls frt alld lb 1.25 —

Lactic edible 50% bbls., 20 or more lb. .17 .20
smaller lots lb 17½ .21
80%, bbls., 5 bbls or more lb. .30 .3640
less than 5 bbls lb .305 .3690
plastic grade, 50% bbls., 20 or more works lb 21¾ —
1 to 19 lb. 22½ 22¾
80%, bbls., 5 or more lb. .3815 —
tech., 22%, bbls., c.l., works, 100 lbs 6.30 —
l.c.l., works 100 lbs. 6.70 —
cbys., works 100 lbs. 7.20 - 12.20
44%, bbls., c.l., works 100 lbs. 11.45 11.95
l.c.l., works 100 lbs. 11.85 - 12.50
NF 85% cbys lb. 85 .88

Laurent's, bbls lb 60 .87

Lauric, 90-95%, dms lb. .25¾- .27
60% dms lb. .18¾ .19¼

Linseed oil, dist., reg., dms lb. .2090- .2140
water-white, dms lb. .2390- .2440

Maleic, anhydride (see M), powder, dms lb 37 .38

Malic, dms lb 50 —

Mandelic, NF dms 1,000-lb lots lb 2.35 —
smaller lots lb 2.40 2.50

Metanilic dms works lb .57 —

Methacrylic, dms., c.l. and truckloads, works lb. 76 —
less than truckload works lb 76½ 80

Molybdic, dms 85-92% works lb 1.40 1.55

Monochloroacetic purified, flake, 99% dms lb. 23¾ 24¾
tech., flake 96-97% dms lb 20¼ .21¼

Muriatic, 18° cbys., c.l. works, 100 lbs 2.45 2.80
l.c.l., dlvd. Metropolitan area 100 lbs. 3.50 - 4.30
tanks, works ton.25.00 - 29.00
20° cbys. c.l. works 100 lbs 2.70 3.05
l.c.l., dlvd. Metropolitan area 100 lbs. 3.50 - 4.30
tanks, works ton.27.00 - 33.00
22° cbys., c.l., works 100 lbs 3.30 3.40
l.c.l., dlvd. Metropolitan area 100 lbs. 3.50 4.30
tanks, works ton.32.00 - 36.00

CP, USP consumers, cbys., extra c.l., works lb. 11¾ —
l.c.l. same basis lb 13¼ 13¾
5 pint bottles extra, cs., c.l., same basis lb .16¾ —
l.c.l., same basis lb. .19¼ —

Acid, muriatic, CP, USP, prices to dealers, 1½c. per lb. less.

Myristic, dms lb. .24¾ .25¼

Naphthenic 220-230 acidity, dms., works lb 14 —
tanks, works lb 12 —

Naphthol(1)-4-sulphonic (see Acid, Neville and Winther's)

Naphthol(1)-5-sulphonic (see Acid, L).

Naphthol(1)-5-sulphonic-3-amino (see Acid, S).

Naphthol(1)-3,6-disulphonic-8-amino (see Acid, H)

Naphthol(2)-6,8-disulphonic (see Acid, Gamma).

(2)-7-Sulphonic-2-amino (see Acid, J).

Naphtholsulphonic mixed (see Acid, Cleve's, mixed).

Naphthylamine(1)-5-sulphonic (see Acid, Laurent's).

(2)-6-sulphonic (see Acid, Broenner's).

(2)-7-sulphonic (see Acid, F).

(2)-1-sulphonic (see Acid, Tobias).

Neville and Winther's dms., frt. alld lb. 1.05 —

Nicotinic USP dms. frt adjusted kilo 9.00 9.30

Amide (see Nicotinamide).

Nitric 36° cbys., c.l., works E. lb. 5.00 —
l.c.l., works E 100 lbs. 5.30 - 11.10
38° cbys., c.l., works E 100 lbs. 5.50 - —
l.c.l., works E 100 lbs. 9.80 - 11.60
40° cbys., c.l., works E 100 lbs. 6.00 - 6.50
l.c.l., works E 100 lbs. 6.30 - 12.10
42° cbys., c.l., works E 100 lbs. 6.50 - 7.00
l.c.l., works E 100 lbs. 6.80 - 12.60
60% HNO_3, tankcar works 100 lbs 3.25 - —
95% HNO_3, tanks, works 100 lbs. 4.25 - —
CP, NF consumers cbys., extra c.l. works lb. 13½ —
l.c.l., same basis lb .15 .15¼
5 pint bottles extra, cs., c.l., same basis lb 17½ —
l.c.l., same basis lb. .19 - .25

Oleic, single distilled, dms lb. .13¼- —
tanks lb. .11½- —
double distilled (white), dms lb. .15¾- —
tanks lb. .14 - —

Oleum (see Acid sulphuric, fuming)

Orthochlorobenzoic, fib. dms., works lb. 1.13 - —

Orthocresotinic, dms., ton lots, works lb .66 —
smaller lots, works lb .68 - —

Oxalic, bbls., c.l., works lb. .1575- .1590
10,000 lbs. works lb. .16 .1615
smaller lots, works lb. .17 .1715

Palm oil, white, dms lb 16¼ 17

Para-aminobenzoic, tech., dms lb 1.74 1.77
USP, dms., 1,000-lb. lots or more, works lb. 3.60 —
smaller lots lb. 3.70 - 4.00

Para-aminosalicylic, dms., 1,000-lb. lots or more, frt. adjusted lb. 4.45 —
smaller lots, same basis lb. 4.50 4.95

Parachlorobenzoic, fib dms., works lb 1.59 1.62

Paramethylphenylcinchonic (see Neocinchophen)

Paranitrobenzoic, dms lb. .77 - —

Paratoluidinmetasulphonic, bbls., works lb 92 1.04

Phenylacetic, bots lb. 1.45 1.75
tech., dms., 1,000-lb. lots lb 90 —

Phenylcinchoninic (see Cinchophen).

Phenylglycollic (see Acid, mandelic).

Abbreviations

Used in OPD Market Quotations

ACS	American Chemical Society	dest-dist.	destructive-distilled	neut.	neutral
		dextro	dextrorotatory	NF.	National Formularly
alld.	allowed	dist.	distilled	No	nominal
ammo.	ammonia	distr.	distributor	nom.	number
amorph.	amorphous	djns.	demijohns	ord.	ordinary
AMP.	American melting point	dlvd.	delivered	oz	ounce
		dms.	drums	Pac.	Pacific
anhyd.	anhydrous	dom.	domestic	pf	proof
a.p.a.	available phosphoric acid	E	east	phos.	phosphate
		e.p.	end point	photo.	photographic
artif.	artificial	equald.	equalized	pkgs.	packages
ASTM.	American Society for Testing Materials	F	fahrenheit	powd.	powdered
		ferment.	fermentation	precip	precipitated
		ffa.	free fatty acid	prod	producer
Be.	Baume	ffc.	free from chlorine	pt	point
bbls.	bags			pulv.	pulverized
bgs.	barrels	fib.	fiber	purif.	purified
bls.	bales	f.o.b.	free on board	redist.	redistilled
bots.	bottles	FPA.	free of prussic acid	refd.	refined
b.p.	boiling point			refy.	refinery
b.p.l.	bone phosphate of lime	frt.	freight	reg	regular
		fus.	fused	resub	resublimed
b.r.	boiling range	gal.	gallon	ret.	returnable
bxs.	boxes	gran.	granular	SD	specially denatured
C.	centigrade	grd.	ground		
cbys.	carboys	i.&a.	iron and aluminum	s.d	single distilled
CD.	completely denatured			S. E.	southeast
		i.b.p.	initial boiling point	secs.	seconds
c.i.f.	cost insurance, freight	imp.	imported	s.g.	specific gravity
				ship't.	shipment
		incl.	included	solut.	solution
cks.	casks	indust.	industrial	s.u	standard unit
c.l.	car lots	kgs.	kegs	synth.	synthetic
cns.	cans	lacq.	lacquer	tanks.	railroad tank-cars
col.	color	lb.	pound		
com'l	commercial	l.c.l.	less than car lots	tech.	technical
conc.	concentrated	liq.	liquid	USP	U. S. Pharmacopoeia
CP.	chemically pure	m.a.p.	mixed anilin point		
cps.	centipoises			vis.	viscosity
cryst.	crystal	M c.f.	thousand cubic feet	VM&P	varnish makers & painters
cs.	cases				
ctns.	cartons	min.	minimum	W	west
cyls.	cylinders	m.p.	melting point	whse.	warehouse
dbl.	double	N.	nitrogen	w w	water white
denat.	denatured	nat.	natural		

A unit-ton is 2,000 pounds of 1 percent of the basic constituent or other standard of the material. The percentage figure of the basic constituent multiplied by the price figure shown gives the price of 2,000 pounds of the material.

Acid, Phosphoric—Aldrin

Acid, phosphoric, food grade, 75%, cbys., c.l. works 100 lbs. 7.00 - 7.10
l.c.l., works, frt. alld. 100 lbs. 7.50 - 8.00
tanks, works 100 lbs. 4.90 - 5.00
NF, 85%, cbys., c.l. works lb. .08 - .08¼
l.c.l., works lb. .08½- .09¼
Picric, NF 300-lb. bbls lb .55 - —
dms., small lb. .81 - .87
tech., bbls lb .32 - .33
Propionic, synthetic, pure, dms., c.l., works lb. .258 - —
l.c.l., works lb. .263 - —
tanks, works lb. .19 - .243
Pyrogallic, NF, (see Pyrogallol)
tech., bbls lb. 2.76 - 2.99
Pyroligneous, dms., incl. l.c.l. works gal. .36 - —
whse. gal. .504 - —
Ricinoleic (see Acid castor oil, split).
S, bbls., works lb 3.25 - —
Salicylic, crude, bgs lb. .35 - —
sublimed, tech., bbls., c.l. lb. .37 - —
l.c.l. lb. .44 - —
dyestuffs grade, bbls lb. .39 - —
USP, cryst., bbls lb. .46 - —
powder, bbls lb. .51 - —
Sebacic, purified, dms., c.l., works lb. .90¾- .94
l.c.l., works lb. .92¾- .94½
Soybean oil, double dist., dms. lb. .11¾- .13
single dist., dms lb. .11¼- .12¾
Stearic, double pressed, bgs lb. 11¾- .12½
single-pressed, bgs lb. .11¼- .12
triple-pressed, bgs lb. .14 - .15¼
Succinic, purified, cryst., bbls., works lb .63 - .75

Acid, sulphanilic, tech., dms., c.l., frt. alld lb. .18 - —
l.c.l., frt. alld lb. .20 - —
Sulphuric, 60° Be, cbys., c.l., works 100 lbs. 1.75 - —
l.c.l., works 100 lbs. 2.05 - 2.85
tanks, works ton 16.30 - —
66° Be, cbys., c.l. works 100 lbs. 2.00 - 2.10
l.c.l., works 100 lbs. 2.30 - 3.10
tanks, works ton 20.00 - —
96-100%, tanks, works ton 21.00 - —
CP, NF, consumers, cbys., extra, c.l., works, frt. equald. lb. .09¾- —
l.c.l., same basis lb. .11¼- .11¾
5 pt. bots., extra, cs., c.l., works, frt. equald lb. .13¼- —
l.c.l., same basis lb. .14¾- .20¾
fuming, 20%, tanks, works ton 22.40 - —
Tallow, dist., dms lb. .10¼- .11½
hydrogenated, dms lb. .11¼- .12½
Tannic, NF, USP XIII, fluffy, bbls., 1,000-lb. lots lb. 1.59 - 1.60
smaller lots lb. 1.65 - 1.76
powder, bbls., 1,000-lb. lots lb. 1.50 - —
smaller lots lb. 1.51 - 1.69
tech., dms lb. .95 - —
Tartaric, USP, dom., 230, 250-lb. dms., 10,000-lb. lots, ship't lb. .45½- —
smaller lots lb. .46 - —
100-lb. dms lb. .47 - —
small dms lb. .49 - .55
imported, bgs lb. .36 - .40
Thioglycolic, refined, bgs., cbys., basis 100% lb. 1.60 - 1.86
Tobias, bbls., frt. alld lb. .74 - —
Toluenesulphonic, dms., c.l., works works lb. .16 - —
l.c.l., works lb. .17½- —

Acid, trichloracetic, bots lb. 2.00 - 2.50
Trichlorophenoxyacetic (see under "2,4,5-T").
Tungstic, tech., kgs., works lb. 4.30 - —
Undecylenic, dms. lb. 1.40 - —
Aconite leaves, bls lb. .23 - .35
Root, bls lb. .55 - .60
Aconitine, amorph., mild, bots oz. 27.50 - 32.50
cryst., potent, bots oz. 78.00 - 85.00
Acrolein, dms., works lb. .50 - —
Acrylonitrile, dms., c.l., works lb. .44½- —
l.c.l., works lb. .45 - .47
tanks, works lb. .43 - —
ACTH, bots gm. 40.00 - —
Adeps lanal (see Lanoline).
Adonis vernalis herb, bls lb. .22 - .24
Adrenocorticotropic hormone—see ACTH
Agar, USP, Kobe No. 1 strip, bls. lb. 1.50 - 1.90
powdered, 30 mesh, fib. dms. lb. 2.00 - 2.40
Agaric, white, bls lb. 2.25 Nom.
Agrimony herb, bls lb. .25 - .30
Alanine dextro-laevo, dms., works. lb. 8.50 - 11.00
Albumen (egg) edible, flake, bbls., lb. 1.56 - 1.58
powd., bbls lb. 1.60 - 1.62
tech., cryst., bbls lb. .98 - 1.03
Albumin, blood, dark (see Blood, dried, soluble).
light, dms., l.c.l. lb. .70 - .80
Egg (see Albumen).
Alcohol, allyl, dms., c.l., dlvd lb. .31¾- —
l.c.l., dlvd lb. .32½- —
tanks, dlvd lb. .30 - —
Amyl ex fusel oil (see Fusel oil, ref.)
ex pentane, dms., c.l., frt. alld. E. Miss lb. .22 - —
l.c.l., frt. alld. E. of Miss lb. .23 - —
tanks, frt. alld. E. of Miss lb. .20 - —

Alcohol, denatured, fermentation, retd., 126-132° C., dms., c.l., dlvd lb. .33¾- —
l.c.l., dlvd lb. .34¾- —
tanks, dlvd lb. .32 - —
128-132° C., dms., l.c.l., dlvd. lb. .36½- —
ACS grade, dms., l.c.l., dlvd lb. .38½- —
Benzyl, NF, dms lb. .64 - .80
tech., dms., dlvd lb. .47½- .49
Butyl, fermentation, normal, dms., c.l., frt. alld lb. .17¾- .29¾
l.c.l., frt. alld lb. .18½- .30¾
tanks, frt. alld lb. .16 - .25
synthetic, normal, dms., c.l., frt. alld lb. .17¾- —
l.c.l., frt. alld lb. .18½- —
tanks, frt. alld lb. .16 - —
secondary, dms., c.l., frt. alld. lb. .12¾ .14¾
l.c.l., frt. alld lb. .13½- .15½
tanks, frt. alld lb. .11 - .13
tertiary, dms., c.l., frt. alld. lb. .13¾- —
l.c.l., frt. alld lb. .14½- —
tanks, frt. alld lb. .12 - —
Capryl, 85%, dms., c.l., works lb. .15 - —
l.c.l., works lb. .15½- —
tanks, works lb. .13½- —
95%, dms., c.l., works lb. .16½- .20¼
l.c.l., works lb. .17 - .22¾
tanks, works lb. .15 - .20¼
Cetyl, extra, fib., cns., 500-lb. lots or more lb. 1.32 - —
smaller lots lb. 1.37 - —
NF, fib., cns., 140-lb. lots or more lb. .72 - .95
smaller lots lb. .72 - 1.00
Cinnamic, bots lb 2.25 - 3.20
Decyl, bots lb. 1.70 2.00
Denatured, CD12, CD13, CD14, dms., c.l., dlvd. E. of Rockies gal .68½- .69¼
l.c.l., dlvd., same basis gal. .72½- .78½
tanks, dlvd., same basis gal. .56½- .57½
Tankcar sales require written authorization by Alcohol Tax Unit.
Proprietary solvent, dms., c.l., dlvd. E. of Rockies gal. .69½- —
l.c.l., same basis gal. .73½- .78½
tanks, same basis gal. .57½- —
Tankcar sales require written authorization by Alcohol Tax Unit.
SD1, 190 pf., dms., c.l., dlvd. E. of Rockies gal. .69 - .69½
l.c.l., same basis gal. .73 - .78½
tanks, same basis gal. .57 - .57½
SD2B, dms., c.l., dlvd. E. of Rockies gal. .68 - —
l.c.l., same basis gal. .72 - .77
tanks, same basis gal. .56 - —
SD3A, dms., c.l., dlvd. E. of Rockies gal. .67 - .68
l.c.l. same basis gal. .71 - .77
tanks, same basis gal. .55 - .56
SD23A, dms., c.l., dlvd., E. of Rockies gal. .69 - .69½
l.c.l., same basis gal. .73 - .78½
tanks, same basis gal. .57 - .57½
SD23H, dms., c.l., dlvd. E. Rockies gal. .69½- .70
l.c.l., same basis gal. .73½- .79
tanks, same basis gal. .57½- .58
SD27A, dms., c.l., dlvd. E. of Rockies gal. 1.34½- —
l.c.l., same basis gal. 1.38½- 1.43½
tanks, same basis gal. 1.22½- —
SD29, dms., c.l., dlvd. E. of Rockies gal. .68½- .70½
l.c.l., same basis gal. .72½- .79½
tanks, same basis gal. .56½- .58½
SD30, dms., c.l., dlvd. E. of Rockies gal. .66½- .68½
l.c.l., same basis gal. .70½- .77½
tanks, same basis gal. .54½- .56½
SD35A, dms., c.l., dlvd. E. of Rockies gal. .70 - .72
l.c.l., same basis gal. .74 - .81
tanks, same basis gal. .58 - .59½
SD40, dms., c.l., dlvd. E. of Rockies gal. .68½- .70
l.c.l., same basis gal. .72½- .79
tanks, same basis gal. .56½- .58
Diacetone, acetone free, dms., c.l., dlvd lb. .13¾- —
l.c.l. dlvd lb. .14½- —
tanks, dlvd lb. .12 - —
tech., dms., c.l., dlvd lb. .13¼- —
l.c.l., dlvd lb. .14 - —
tanks, dlvd lb. .11½- —
Ethyl, 190 pf., USP tax paid, dms., c.l., dlvd. E. of Rockies. gal. 20.62 -20.64½
l.c.l., same basis gal. 20.66 -20.73½
tanks, same basis gal. 20.50 -20.52½
tax free, dms., c.l., dlvd. E. of Rockies gal. .67 - .69½
l.c.l., same basis gal. .71 - .78½
tanks, same basis gal. .55 - .57½
absolute, 200 pf. tax paid, dms., c.l., dlvd. E. of Rockies, gal. 21.72 -21.74½
l.c.l., same basis gal. 21.76 -21.83½
tanks, same basis gal. 21.60 -21.62½
Ethylbutyl, dms., c.l., works lb. .29¼- .29½
l.c.l., works lb. .30 - —
tanks, works lb. .28 - —
Ethylhexyl, dms., c.l., dlvd. E lb. .30½- —
l.c.l. same basis lb. .31½- —
tanks, same basis lb. .29 - —
Furfuryl, tech., cns., works lb. .31 - —
dms., c.l., works lb. .22½- —
l.c.l., works lb. .24 - —
tanks, works lb. .19½- —
Isoamyl (see Alcohol, amyl fermentation, refined).
Isobutyl, dms., c.l., dlvd lb. .17 - .17½
l.c.l., works lb. .17¾- .18½
tanks, dlvd. lb. .15¼- .15½
Iso-octyl, dms., c.l., works lb. .29¼- —
l.c.l., works lb. .29¾- —
tanks, works lb. .26¼- —
Isopropyl, refd., 91%, dms., c.l., dlvd gal. .5050- .5225
l.c.l., dlvd. gal. .5550- .5640
tanks, dlvd gal. .3850- —
95%, dms., c.l., dlvd gal. .52¾- .53
gal. .52¾- .53
l.c.l., dlvd gal. .57¾- .58
tanks, dlvd gal. .40¾- .41
99%, dms., c.l., dlvd gal. .55 - .56¾
l.c.l., dlvd gal. .60 - .61
tanks, dlvd gal. .43 - —
Lauryl, bots lb 2.00 2.50
Methyl (see Methanol).
Methylamyl (see Carbinol, methylisobutyl)
Octyl, perfumer's grade, bots lb. 1.70 3.25
technical (see Octanol normal).
Pantothenyl (see Panthenol).
Phenylethyl, dms lb. 1.57 2.15
Polyvinyl, various grades, bgs., ton lots, works lb. .72½- .76
smaller lots, works lb. .77½- .81
Propyl, normal, dms., c.l., dlvd. lb. .13 - —
l.c.l., dlvd lb. .14 - —
tanks, dlvd lb. .11 - —
Salicyl (see Saligenin).
Tetrahydrofurfuryl, cns., Waverly, N. Y. lb. .49½- —
dms., Niagara Falls, N. Y. lb. .42½- —
l.c.l., Waverly, N. Y. lb. .45 - —
tanks, Niagara Falls, N. Y lb. .40 - —
Industrial grade, dms. c.l., Niagara Falls, N. Y lb. .29 - —
l.c.l., Waverly, N. Y lb. .30 - —
tanks, Niagara Falls, N. Y lb. .27 - —
Aldol, 95%, dms., works lb. .23 - —
denaturing grade, dms gal. 2.15 - —
Aldrin, 60% solut., dms., c.l., works, frt. alld lb. .93 - —
l.c.l., works, frt. alld lb. 1.05 - —

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Aletris Root—Amyl Alcohol

Aletris root, bgs ..... lb 1.35 - 1.40
Alizarin (see Red alizarin).
Alkanet, root, bgs ..... lb. .30 - .50
Allethrin, 100%, dms., works ... lb 42.50 - —
90%, dms., works ..... lb 38.25 - —
solution, 20%, dms., 100-lb. lots works lb 8.55 - 9.55
2½% dms., works ..... gal. 7.55 - —
Allspice (see Pimento).
Allyl, bromide, cbys., works .... lb 1.35 - 1.40
Chloride, dms., c.l., dlvd ..... lb. .16¾ - —
l.c.l., dlvd. ..... lb. .17½ - —
tanks, dlvd ..... lb. .15 - —
Starch, solid, dms., works .... lb. .52¾- .54¼
solution, 40% toluol-butanol, dms., works lb. .25½- .26¼
Aloe, Cape, cs ..... lb. .35 - .38
powdered, cs. ..... lb. .40 - .41
Curacao, kegs ..... lb. .60 - .65
Socotrine kegs ..... lb. .25 - .35
Aloin, USP, bbls., dms., kgs .... lb. 4.25 - 4.70
Alphanaphthol, bbls., frt. alld ... lb. .85 - —
Alphanaphthylamine, bbls., frt. alld. lb. .45 - —
Alphanaphthylthiourea, 93-98%, fib. dms., works, frt. alld lb. 2.00 - 2.40
Alphanitronaphthalene, bbls., frt. alld lb. .41 - —
Alphapicoline, ret. dms., c.l., works, frt. equald .lb. .39½- .49½
l.c.l., works, frt. equald ..... lb. .40 - .50
Alphapinene, tanks, South, works gal. No prices.
Alphaterpineol dms., l.c.l. dlvd. lb. .17 - —
Alphatocopherol, bots ..... kilo. 250.00 - —
Acetate, bots ..... kilo. 250.00 - —
Althea root, NF, peeled, bls .... lb. .20 - .33
Alum ammonium, gran., bgs., works .100 lbs. 3.80 - —
lump, dms., works ... 100 lbs. 4.55 - 4.95
powd., dms., works ... 100 lbs. 4.70 - 5.10
USP, burnt, dms ..... lb. .20 - .21
hydrous, dms ..... lb. .07¾- .08
Potassium, gran., bgs., works, 100 lbs. 4.05 - —
lump, dms., works ... 100 lbs. 4.80 - 5.20
powd., dms., works ... 100 lbs. 4.95 - 5.35
USP, burnt, dms ..... lb. .20 - .21
hydrous, dms ..... lb. .07¾- .08
Potash-chrome, dms ..... lb. .17 - —
Sodium, dms., c.l., works .100 lbs. 4.60 - —
l.c.l., works ..... 100 lbs. 5.00 - —
Alumina, calcined, bgs., c.l., works. lb. .0385- —
l.c.l., works ..... lb. .0425- .0550
crystalline (see Aluminum oxide).
Aluminum acetate, basic solut., 24%, bbls., l.c.l., works lb .14 - —
Chloride, com'l, anhyd., dms., c.l., works, frt. equald lb. .13 - —
l.c.l., works, frt. equald. lb. .13½- —
cryst., dms., c.l., works .... lb. .1030- —
l.c.l., works ..... lb. .1070- —
solution, 32°, cbys., c.l., works. lb. .0369- —
l.c.l., works .... lb. .0435- .0960
tankcars, works .100 lbs. 2.80 - —
NF, gran., dms., works ..... lb. .29 - .31
Fluoride, tech., anhyd., bbls., c.l., works lb. .11½- —
l.c.l., works ..... lb. .14½- —
Formate, basic solution, cbys lb. .09½- —
l.c.l., works ..... lb. .10 - —
Aluminum hydrate, heavy, bgs., c.l., frt. equald..ton. 60.00 - —
l.c.l., works ..... ton. 65.00 - 85.00
light, bgs., dlvd ..... lb. .17 - —
Hydroxide, gel., pharmaceutical, 14-15%, Al_2O_3, fib. dms., works lb. .24 - —
contract, works ..... lb. .22 - —
9-9½%, Al_2O_3, fib. dms., works lb. .20 - —
contract, works .... lb. .19 - —
dried, USP, XIV, fib. dms., works. lb. .82½- —
contract, works ..... lb. .79½- —
powder, tech (see Aluminum hydrate).
Laurate, precip., bbls ..... lb. .44 - —
Metal, 99%+, ingots, 10,000-lb. lots. lb. .19 - —
pigs, 10,000-lb. lots ..... lb. .18 - —
Oxide, amorphous (see Alumina, calcined).
crystalline, flour classified, 8-240 mesh, dms. frt. alld lb. .14 - .15
kgs. ton frt. alld .. lb. .12½- —
smaller lots, frt. alld. lb. .13 - .15
280-400 mesh, dms., frt. alld lb. .32 - .33
kgs., frt. alld ..... lb. .31 - —
500 mesh, dms. frt. alld. lb. .35 - .37
kgs., frt. alld ..... lb. .34 - —
600 mesh, dms., frt. alld. lb. .51 - .53
kgs., frt. alld ..... lb. .50 - —
Aluminum oxide flour prices W. of Denver ¾c. per lb. higher.
optical, floated, kgs., dlvd lb. .36 - .86
unclassified, dms., frt. alld. lb. .16 - .17
kgs., frt. alld ..... lb. .15 - —
Aluminum paste, lining, extra-fine, dms. .lb. .59½- —
standard, dms ..... lb. .41 - —
Powder, lining, extra fine, dms. lb. .97½- —
standard, dms ..... lb. .68½- —
rubber grade, dms ..... lb. .58½- —
unpolished standard, dms .... lb. .54½- —
varnish standard, dms ..... lb. .59 - —

Aluminum powder and paste prices are f.o.b. shipping point. Add 1c. per lb. for 100-lb. dm., 1½c. per lb for 50-lb. dm., 3c. per lb. for 10-lb. can and 5c. to 12c. per lb for smaller containers. Deduct 1c. per lb. for single shipment of 400 to 1,499 lbs., 2c. for 1,500 to 4,999 lbs., 3c. for 5,000 to 29,999 lbs., and 4c. for 30,000 lbs. or more. Where destination is within the continental U. S., a deduction equivalent to the lowest available common carrier transportation rate will be made from seller's invoice on orders of 200 lbs or over.

Resinate, precip., dms., frt. alld. lb. .26½- —
Stearate, dibasic, ctns., c.l .... lb. .33 - —
ton lots or less ..... lb. .34 - —
monobasic, ctns., c.l ..... lb. .33 - —
ton lots or less ..... lb. .34 - —
tribasic, ctns., c.l ..... lb. .33 - —
ton lots or less ..... lb. .34 - —
Sulphate, com'l, bulk c.l., works. 100 lbs. 1.65 - —
ground, bgs., works ..... ton. 33.00 - —
lump, bgs., works ..... ton. 36.00 - —
iron-free bgs., c.l., works, frt. equald 100 lbs 3.25 - —
l.c.l., works, frt. equald 100 lbs. 3.65 - 6.15
USP, gran., dms., works ... lb. .29 - .50
powd., dms., works ..... lb. .36 - .38
Trihydrate, heavy (see Aluminum hydrate).
Ambergris, gray, bots ..... oz. 8.00 - 10.00
Ambrette seed, bgs ..... lb. .65 - .66
Aminoazotoluene, bbls ..... lb. .94 - 1.03
Aminoethylethanolamine, dms., c.l., works lb. .47 - —
l.c.l., works ..... lb. .47½- —
tanks, works ..... lb. .45 - —
Aminomethylpropanol, cns., dms., works lb. .60 - —
Aminophyllin, USP, 100-lb. dms .lb. 4.85 - —
Aminopyrine, USP, bots., dms lb 6.00 - 6.15
Ammonia anhydrous, fertilizer, tanks, works ton. 79.00 - 80.00
pure, cyls., extra, zone 1 .... lb. .17 - .17¼
2 ..... lb. .17 - .18
3 ..... lb. .17 - .19
4 ..... lb. .20 - .21
5 ..... lb. .16 - .19
refrigeration, tanks, works ton. 80.00 - 82.50
Aqua (29.4% NH_3), dms., c.l., dlvd. Met. area .100 lbs. 3.60 - —
l.c.l., works ..... 100 lbs. 4.00 - —
tanks, works, anhyd. basis ton. 80.00 - 86.00
Ammoniac gum (see Gum ammoniac).
Sal, gray, bgs., c.l., works, frt. equald .100 lbs. 8.25 - —
l.c.l., same basis ..... 100 lbs. 8.65 - 11.15
white, gran., bgs., c.l., works 100 lbs. 4.75 - —
l.c.l., works ..... 100 lbs. 6.50 - —
Ammoniacal liquor, tankcars, works, anhyd. basis ton. 75.00 - 80.00
Ammonium acetate, purified, dms. lb. .43 - —
Benzoate, USP, dms., kgs., 4,000 lb. lots, frt. alld. lb. .80 - —
smaller lots, frt. alld ..... lb. .81 - 1.08
Biborate, bbls., c.l., works ... ton. 312.00 - —
ton lots, ex whse ..... ton. 375.00 - —
less ton lots, ex whse ... ton. 380.00 - —
Bicarbonate, dom., dms., c.l., works lb. .06 - —
l.c.l., works ..... lb. .07 - —
imported, dms., l.c.l ..... lb. .07¼- .08¼
Bichromate, bbls., works ..... lb. .33 - .38
Bifluoride, dms., dlvd ..... lb. .18¾- .19¾
Bromide, gran., NF, bbls ..... lb. .38 - .39
dms. ..... lb. .39 - .42
Powdered ammonium bromide 10c. per lb. higher.
Carbonate, USP, lump, powd., dms lb. .23 - .24
Chloride, tech. (see Ammoniac sal).
USP, gran., bbls., dms ..... lb. .20 - —
Citrate, dibasic, bbls ..... lb. .75 - —
dms. ..... lb. .80 - .85
Fluoride (see Ammonium bifluoride).
Hydroxide (see Ammonia aqua).
Hypophosphite, NF, dms ..... lb. 2.40 - —
Iodide, NF, bots., jars ..... lb. 4.01 - 4.13
Linoleate, 80%, dms., works .... lb. .50 - .55
Nitrate, fertilizer grade, Canadian eastern, 33.5% N, bgs., c.l., shipping point ton. 72.50 - —
western, 33.5% N., bgs., f.o.b. cars, Los Angeles ton. 83.50 - —
domestic, bgs., western, works ton. 64.00 - —
with dolomite, 20.5% N, bgs., Hopewell, Va ton. 51.00 - —
Oleate, 75%, dms., works ..... lb. .55 - .60
Oxalate, fine gran., dms ..... lb. .25 - .31
Pentaborate, gran., bbls., c.l., works. ton. 222.00 - —
ton lots, ex whse ..... ton. 285.50 - —
less ton lots, ex whse ..... ton. 290.00 - —
Ammonium pentaborate powder, $10 per ton higher.
Perchlorate, kgs., works ..... lb. .50 - .75
Persulphate, kgs ..... lb. .30 - .35
Phosphate, com'l, bgs., c.l., works. lb. .08¼- —
l.c.l., works ..... lb. .08¾- —
dibasic, NF, V, bbls., dms .. lb. .45 - —
tech., bgs., c.l., works .... lb. .08 - —
l.c.l., works ..... lb. .08½- —
Salicylate, NF, dms., kgs ..... lb. 1.62 - 1.64
Silicofluoride, dms., works .... lb. .14 - —
Sulphamate, bbls., dms. works. lb. .18 - .20
Sulphate, coke-oven, bulk, producing ovens .ton. 40.00 - 45.00
synthetic, bgs., tanks ..... ton. 54.50 - —
bulk, works ..... ton. 51.50 - —
purified, dms., works ..... lb. .07½- .08¼
Sulphide, liq., 40-45%, dms., c.l., basis 100%, works ton. 211.50 - —
l.c.l., basis 100% works. ton. 312.50 - —
tanks, dlvd. or frt. alld .... ton. 181.50 - —
Sulphocyanide, tech. (see Ammonium thiocyanate).
Thiocyanate, tech., dms., c.l., works lb. .18 - —
l.c.l., works ..... lb. .19 - .30
Thioglycollate, com'l, cbys., 100% basis lb. 1.60 - —
highly purified, cbys., 100% basis lb. 1.70 - 1.98
Thiosulphate cryst., photo grade, fib. dms., frt. alld .lb. .65 - —
Amphetamine citrate dextro, bots. lb. 36.00 - 40.00
dextro-laevo, dms ..... lb. 6.50 - 7.00
Hydrochloride, dibasic, dextro, bots .lb. 36.00 - 40.00
dextro-laevo, dms ..... lb. 6.50 - 7.00
monobasic, dextro, bots ..... lb. 36.00 - —
Phosphate, dibasic, dextro, bots. lb. 36.00 - 40.00
dextro-laevo, dms ..... lb. 6.50 - 7.00
Sulphate, dextro, dms ..... lb. 36.00 - 40.00
dextro-laevo, dms ..... lb. 6.50 - 7.00
Amyl acetate, ex fusel oil, tech., dms., c.l., dlvd .lb. .19¾- .30¾
l.c.l., dlvd ..... lb. .20¾- .31¾
tanks, dlvd ..... lb. .18 - .29
ex pentane, dms., c.l., frt. alld. E. of Miss. R lb. .21½- —
l.c.l., same basis ..... lb. .22½- —
tanks, same basis ..... lb. .19½- —
Alcohol (see Alcohol, amyl).

Shoulder Decoration . . .

A NEW DIMENSION IN TUBE DESIGN BY WIRZ

OF PARTICULAR INTEREST TO LEAD TUBE USERS

This attractive Wirz tube brings new grace to Marie Earle products. The shoulder and cap—decorated in soft green—add elegance and sales appeal to the many features of Wirz Collapsible Metal Tubes. Decorated shoulders eliminate the unsightly appearance of plain lead tubes which comes with age, unfavorable atmospheric conditions, etc. Can also be used with aluminum or tin tubes.

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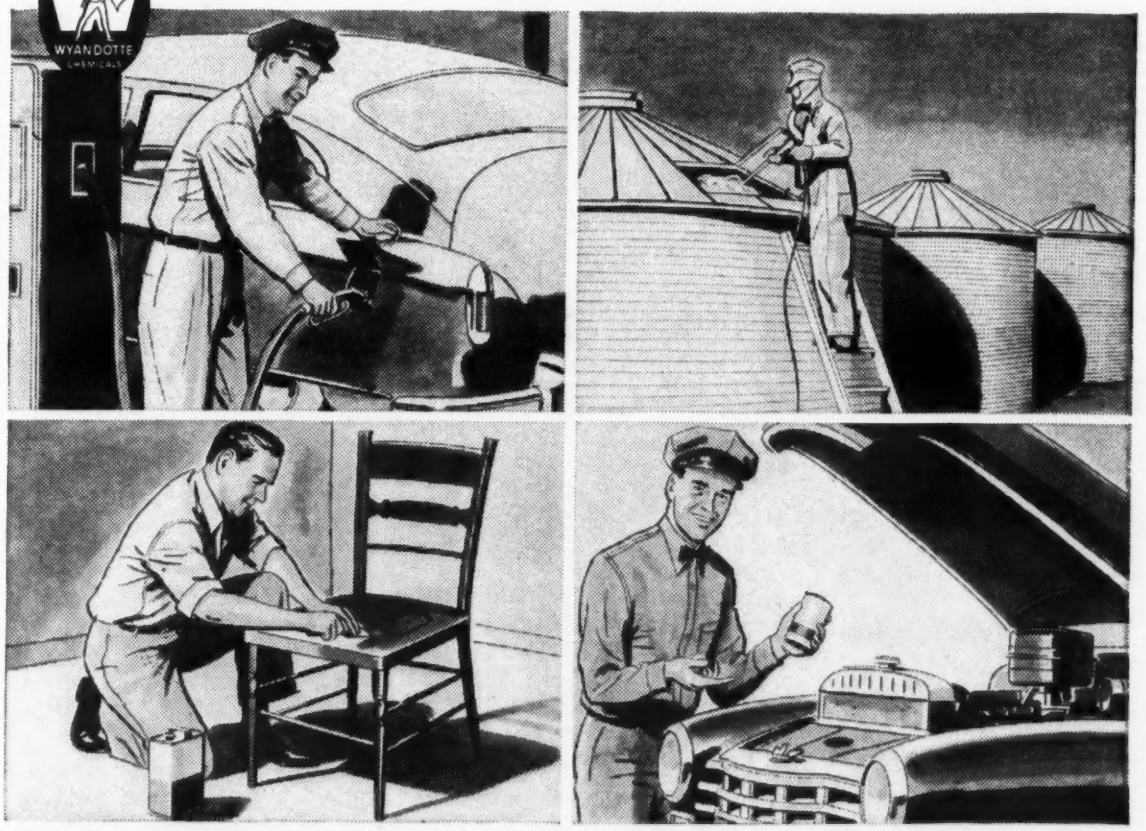
Collapsible Metal Tubes • Lacquer Linings • Wax Linings • Westite Closures • Soft Metal Tubing • Household Can Spouts • Applicator Pipes • Compression-Injection Molding

Amyl butyrate, dms	lb.	.90	1.05
Cinnamic aldehyde, dms	lb.	1.80	2.10
Nitrite, USP, bots	lb.	1.75	1.83
Salicylate, cns., dms	lb.	.77	.95
Anethol, NF, cns., dms	lb.	1.30	1.60
Angelica root, dom., bls	lb.	.60	.70
imported, bls	lb.	.50	.80
Angostura bark, bls	lb.	.43	.48
Anilin oil, dms., c.l., works, frt. alld.	lb	.19	—
l.c.l., works, frt. alld	lb.	.20	—
tanks, works, frt. alld	lb.	.18	—
Salt, dms., frt. alld	lb	30	—
Anise, Chinese, star, bgs., afloat	lb.	.65	.66
Czech, bgs	lb.	.13	.13½
Mexican, bgs	lb.	.15	.15½
Spanish, bgs	lb.	.15	.15½
Turkish, bgs	lb.	.13	.14
Anisic aldehyde, bots., dms	lb.	2.45	2.80
Annatto seed, whole, bgs	lb.	.26	—
powdered, dms	lb.	.28	—
Anthracene, 80-85%, bbls., works	lb.	1.10	—
90%, bbls., works	lb.	1.25	—
Anthraquinone, 99.5%, bbls., frt. alld	lb.	.85	.88
Antimony butter (see Antimony trichloride).			
Metal, bulk, c.l., mines	lb.	.39	—
c.l., mines	lb.	.39½	—
Oxide, bgs., c.l., frt. alld	lb.	.38	.39½
l.c.l., frt. alld	lb.	.37½	.40½
Sulphide, 62-64%, bgs., dlvd	lb.	.38	.38½
Trichloride, pails, c.l., works	lb.	.35¾	.50
l.c.l., works	lb.	.37¾	52
solution, cbys.	lb.	.29	30
Antimony-potassium tartrate (see Tartar emetic).			
Antipyrene, NF, dms	lb.	2.50	2.60
Apomorphine hydrochloride, USP, bots	oz.	23 40	-23 90
Areca nuts, powd., bbls	lb.	.13	.16
Arecoline hydrobromide, NF, bots. tins	oz.	5.00	5.75
Arginine monohydrochloride, laevo, dms., 1 kilo lots	kilo.	77.00	—
Argols, min 50%, bgs., shipment ports, per 100 kilos (100% basis)		40.00	—
Arnica flowers (true montana), bls.	lb.	.55	.75
root, bls	lb.	1.45	—
Arrowroot, powd., bgs	lb.	.11	.14
Arsenic metal (lump bbls., prompt ship't	lb.	.80	.90
Trioxide, USP dms	lb.	.40	—
White, powd., bbls., c.l., dlvd	lb.	.06½	—
l.c.l., dlvd	lb.	.07½	.08½
Asafetida, cs	lb.	.32	.35
powd., bbls., dms	lb.	.50	.53
Asbestine (see Talc, fibrous, N. Y.)			
Asbestos, Canadian, crude, No. 1, c.l. (20 tons), mines	ton.	1,300.00	—
No. 2, c.l. (20 tons), mines	ton.	675.00	—
Run-of-mine, c.l. (20 tons), mines	ton.	556.00	—
fiber, 3K, c.l. (20 tons), mines	ton.	436.00	—
3R, c.l. (20 tons), mines	ton.	371.00	—
3T, c.l. (20 tons), mines	ton.	348.00	—
3Z, c.l. (20 tons), mines	ton.	321.00	—
4K, c.l. (20 tons), mines	ton.	173.00	—
4M, c.l. (20 tons), mines	ton.	173.00	—
4T, c.l. (20 tons), mines	ton.	156.00	—
4Z, c.l. (20 tons), mines	ton.	156.00	—
5D, c.l. (20 tons), mines	ton.	122.50	—
5K, c.l. (20 tons), mines	ton.	122.50	—
5M, c.l. (20 tons), mines	ton.	116.50	—
5R, c.l. (20 tons), mines	ton.	110.00	—
5D, c.l. (30 tons), mines	ton.	78.00	—
7D, c.l., (30 tons), mines	ton.	68.50	—
7F, c.l. (30 tons), mines	ton	65 00	—
7H, c.l. (30 tons), mines	ton	55 00	—
7K, c.l. (30 tons), mines	ton	46 00	—
7M, c.l. (30 tons), mines	ton	40 00	—
7R, c.l. (30 tons), mines	ton	39.00	—
7T, c.l. (30 tons), mines	ton	37 00	—
7RF, c.l. (30 tons) mines	ton	40.00	—
7TF, c.l. (30 tons), mines	ton	40 00	—
8S, c.l. (30 tons), mines	ton	27.00	—
Asbestos prices quoted above are in U. S. funds. Add $4 per ton for l.c.l. lots.			
Asphalt, gilsonite, black, seconds, 300°-390°F. fusing point not uniform, bgs., c.l., Craig, Colo.; Heber City, Utah	ton.	34.00	—
select, 350°F. fusing point, bgs., c.l., same basis	ton	38.00	—
270°-295°F. fusing point, bgs., c.l., same basis	ton	37.00	—
jet, bgs., c.l., same basis	ton.	34.00	—
Manjak, No. 10, crude, dms., works	lb.	.06½	—
Petroleum, cut-back, tanks, tank-wagon, refinery	gal.	.09	—
emulsion tanks, tank wagon, refinery	gal.	.09½	.10
steam-refd., less than 80 penetration tanks, tank wagon, refinery	ton.	22 00	—
80-300 penetration, tanks, tank wagon, refinery	ton.	21 00	—
Aspirin (see Acid, Acetylsalicylic.)			
Atropine, USP, bots	oz.	9.00	-11.50
Sulphate, USP, bots	oz.	5.60	- 6.50

B

Bacitracin, wholesalers, unlabeled, topical, 2,000 units	vial.	.42	—
10,000 units	vial.	.80	—
50,000 units	vial.	2.86	—
Balm of Gilead buds, dried, bgs	lb.	1.35	1.45
Barberry root bark, bags	lb.	.35	.40
tree bark, bgs.	lb.	.40	.45
Barbital, USP, 100-lb. dms	lb	5.00	—
Sodium, USP, dms	lb	5.25	5.27
Barium carbonate, precip., bgs., c.l., works	ton	85.50	—
smaller lots, works	ton.	95.50	—
Chlorate, kgs., works	lb.	.34	.38
Chloride, anhyd., bgs., c.l., works bgs.	ton.	152.00	—
l.c.l., works	ton.	162.00	—
NF, cryst., dms	lb.	.18	.21
Chromate, bgs., frt. equald	lb.	.30	—
Dioxide (see Barium peroxide).			
Hydrate, crystals, bgs	ton.	190.00	-200.00
Iodide, bots.	lb.	6.14	—
Monoxide (see Oxide).			
Nitrate, bbls., c.l., works	lb.	.12½	—
l.c.l., works	lb.	.14	—
Oxide grd., dms., c.l., works	ton.	250.00	—
l.c.l., works	ton.	260.00	—
Peroxide, dms., works	lb.	.16	—
Stearate, ctns., c.l.	lb.	.37	—
ton lots	lb.	.38	—
less ton lots	lb.	.39	—
Sulphate, tech. (see Barytes and Blanc fixe).			
X-ray, bbls.	lb.	.14	—
Sulphide, dms., c.l., works	ton.	71.50	—
l.c.l., works	ton.	81.50	—
Baryte ore, approx. 94%, $BaSO_4$, bulk, mines	ton	9.40	-12.50
Barytes, Southern off-color, bgs., mines	ton.	20.00	—
95.75% bgs. mines	ton.	20.00	—
water grd., paper bgs., c.l., St. Louis	ton	37.60	-37.85
ex-whse. N. Y.	ton	53.45	-61.75
Bauxite, bulk, mines	ton	9.50	-10.00
Bay leaves (see Laurel leaves).			
Belladonna leaf bls	lb.	.40	.45
root, bls.	lb.	.45	.50
Bentonite, 200 mesh bgs., works	ton.	12.50	—
Italian, white, high gel, bgs., l.c.l., works	ton.	71.40	—
5 ton lots	ton.	68.90	—
ex dock, 10 ton lots	ton.	57.00	—
low gel, bgs., l.c.l.	ton.	69.70	—
5-ton lots	ton.	67.20	—
ex dock, 10 ton lots,	ton	55 00	—
Benzaldehyde, NF, dms	lb.	.74	.79
tech., cbys., dms	lb.	.49	.54
Benzal chloride, cbys., works	lb.	.22	.23½
Benzene (see Benzol).			
Hexachloride, 99% gamma isomer (see Lindane)			
tech., bgs., dms., c.l., works, gamma unit	lb.	.015	020
l.c.l., works, gamma unit	lb.	.019	021
dust, dry, distributors, dms., c.l., dlvd., gamma unit	lb.	.02	.02¼
l.c.l., dlvd., gamma unit	lb.	.0275-	—
wet, distributors, dms., c.l., dlvd., gamma unit	lb.	.0325-	—
l.c.l., dlvd., gamma unit	lb.	.0333-	.0400
Benzidine, base, bbls	lb.	1.02	—
Hydrochloride, bbls., frt. alld	lb.	.94	—
Benzocaine, dms	lb	3.50	3.77
Benzol, pure, nitration, tanks, works			
Bethlehem, Pa	gal.	.37	—
Birmingham district	gal.	.30	.35
Chicago district	gal.	.30	.35
Cleveland district	gal.	.30	.35
Geneva, Utah	gal.	.39	—
Johnstown, Pa	gal.	.35	—
Lackawanna, N. Y.	gal.	.37	—
Lone Star, Texas	gal.	.37	—
Lorain, Ohio	gal.	.30	—
Minaqua, Colo	gal.	.35	—
Philadelphia, Pa	gal.	.37	.39
Pittsburgh district	gal.	.30	.35
Sparrows Point, Md	gal.	.37	—
Benzol, pure, nitration, tanks, works, Syracuse, N. Y.	gal.	.37	—
Terre Haute, Ind.	gal.	.35	—
Wyandotte, Mich.	gal.	.38¼	—
Youngstown, Ohio	gal.	.35	—
Benzophenone, dms	lb.	1.40	1.70
Benzonitrile, dms., c.l., works	lb.	.46¾	—
l.c.l., works	lb.	.47	—
Benzotrichloride, cbys., frt. equald.	lb.	.18	.20
Benzoyl chloride, cbys., dms., c.l., works, frt. equald	lb.	.20½	.23½
l.c.l., same basis	lb.	.21½	.24½
Peroxide, pure, fib. ctns., works.	lb.	.90	1.05
Benzyl acetate, f.f.c., cns., dms	lb.	.65	1.05
Alcohol (see Alcohol, benzyl).			
Benzoate, USP, f.f.c., cns., dms	lb.	.80	—
Chloride, tech., cbys., c.l., works, frt. equald	lb.	.21	—
l.c.l., same basis	lb.	.24	—
High grade benzyl chloride, 2c. higher.			
Cinnamate, cns	lb.	3.00	4.00
Formate, cns	lb.	1.60	2.10
Propionate, bots	lb.	1.35	1.80
Salicylate, bots	lb.	1.65	1.85
Benzylidinacetone, bots	lb.	1.85	2.45
Benzylisoeugenol, bots.	lb.	10.25	-10.93
Berberine bisulphate, cns	lb.	35.00	-36.25
Hydrochloride, bots	lb.	35.00	-36.25
Sulphate, cns	lb.	35.00	-36.25
Berberis root, bls	lb.	.22	.30
Betagammapicoline, 5°, dms., c.l., works	lb.	.29½	—
l.c.l., works	lb.	.30	—
Betamethylnaphthalene, 32°C m.p., dms., works	lb.	90	—
Betanaphthol, resublimed, dms., works	lb.	78½	—
tech., bbls., c.l., works	lb.	.32½	—
l.c.l., works	lb.	.34½	—
Betanaphthol benzoate, fib. dms., works	lb.	3.00	—
Custom contract	lb	1.65	1.85
Salicylate, dms	lb	5.00	—
Betanaphthylamine, tech., bbls., works	lb	1.05	1.10
Betaphenylethylamine dms. works, 1,000-lb. lots	lb.	1.10	—
smaller lots	lb.	1.15	1.40
Betapicoline, 98%, dms., works	lb	1.05	—
Beth root, bls	lb	45	.50
Biotin, cryst., bots	gram	10.00	—
Bismuth chloride, jars	lb	5.11	—
Hydroxide, dms	lb	4.65	—
Metal, bxs. ton lots	lb	2.25	—
Nitrate, cryst., dms	lb.	2.10	—
Oxide, anhydrous, dms	lb.	4.47	5.05
Oxychloride, dms	lb.	4.37	4.42
Phenolsulphonate, fib dms.	lb.	5.22	—
Subcarbonate, USP, dms	lb.	3.20	—
Subgallate, NF fib. dms	lb.	3.15	—
Subiodide, fib dms	lb.	5.37	—
Subnitrate, NF, dms	lb.	2.65	—
Subsalicylate USP, dms	lb.	3.50	—
Bismuth-ammonium citrate, USP, powd., jars	lb	4.22	—
Black, acetylene, bgs., c.l., works	lb.	.16	—
cs, l.c.l., ship't point	lb.	20	.22
Bone, dms., l.c.l., frt. alld	lb.	.14¾	.21
Pacific coast bone black prices, 2c. per lb. higher.			
Carbon, channel, heads, bulk c.l., works	lb	.07	—
bgs., c.l., works	lb.	.0740-	—
l.c.l., dlvd or whse	lb.	.1225-	—
uncompressed, regular, bgs., c.l., works	lb.	.10	—
bgs., ctns., l.c.l., dlvd. or whse	lb.	.10	—

Amyl Butyrate—Black, Carbon, Channel



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This mixture of diglycols, predominantly diethylene glycol, has shown outstanding efficiency in plasticizing and humectant applications . . . plus up to 20% savings! Write for samples, data.

Kreelon* CD:

The only product of its kind on the market, Wyandotte Kreelon CD combines the advantages of a synthetic detergent **and** a detergent-promoter. Produces long-lasting suds . . . reduces skin irritation. Kreelon CD offers as high as 70% improvement of detergency in cotton cleaning. Write for details.

Soda Ash, Caustic, Chlorine:

Supply of these basic chemicals is adequate for the present; and we're increasing production to meet the expanding needs of industry.

Purecal:

Recent advances in GR-S compounding and processing, using this whitest pigment extender known (Wyandotte's precipitated calcium carbonate), warrant cost comparison with cheapest natural-rubber formulas. Other profitable applications: paint, paper, ink manufacture.

Who's next to profit from Wyandotte DICHLORIDES?

Can *you* use dichlorides? Wyandotte, a dependable source of basic chemical raw materials for 62 years, offers top-notch technical service—free consultation and assistance with your application problems. And dichlorides are a good example.

Wyandotte's ETHYLENE DICHLORIDE is already widely used in the applications shown here, and in many others. It has found use as a solvent for animal, vegetable and mineral oils; resin solvent; textile spotting agent; textile scouring bath component; fumigant (in combination with carbon tetrachloride); metal-degreasing solvent; chemical intermediate; also in the manufacture of vinyl chloride and Thiokol products.

PROPYLENE DICHLORIDE, another Wyandotte product, is also available for many of the uses enumerated above.

If any of the uses, proved or experimental, have possible application for you, we'd be glad to tell you what we've learned about them and to help you determine their suitability. Just write—*Wyandotte Chemicals Corporation, Wyandotte, Michigan. Offices in Principal Cities.*

*REG. U.S. PAT. OFF.

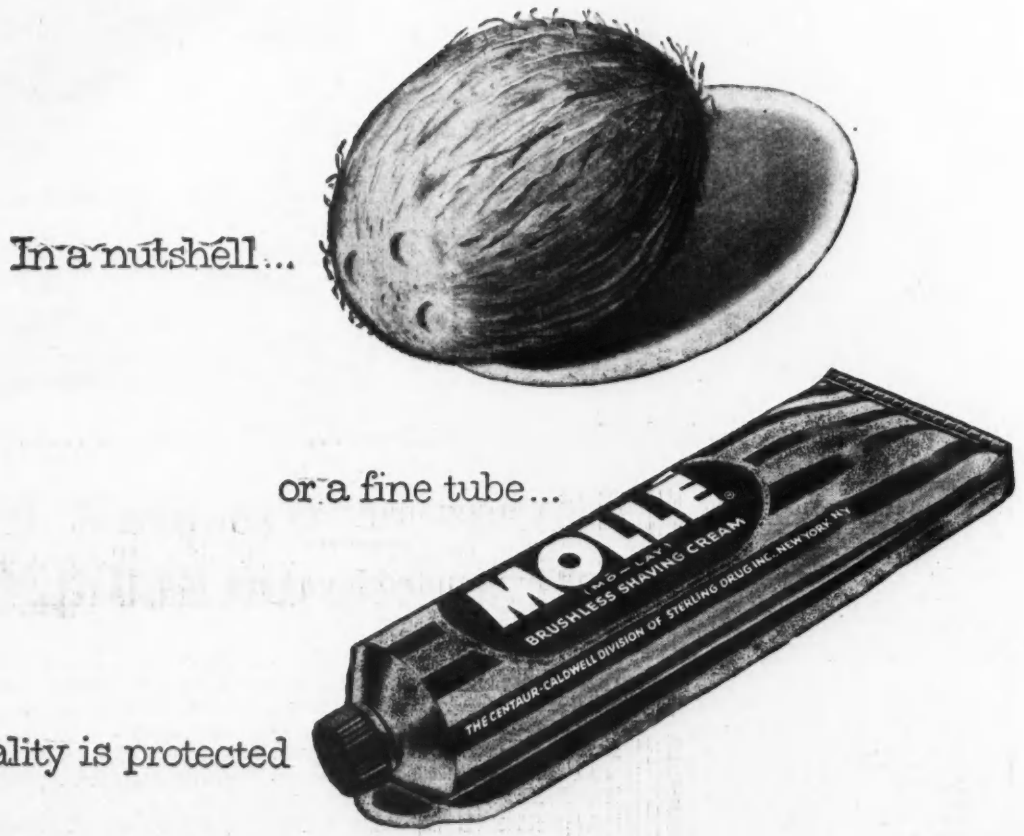
Wyandotte CHEMICALS

Black, Carbon, Furnace—Calciferol

Black, carbon, furnace, fast extruding, bgs., c.l., works lb. .06 - —
ctns., l.c.l., whse lb. .10 - —
high abrasion, bulk, c.l., works lb. .0750- —
bgs., c.l., works lb. .0790- —
l.c.l., dlvd or whse lb. .1250- —
high modulus, bgs., c.l., works. lb. .0550- —
ctns., l.c.l., whse lb. .0950- —
semi-reinforcing bgs., c.l., works lb. .04 - —
ctns., l.c.l., whse lb. .08 - —
Charcoal (see C).
Graphite (see G).
Iron oxide, pure, bgs., c.l., works lb. .1175- —
l.c.l., works lb. .12 - —
Lamp, bgs., c.l., works lb. .16 - .45
Mineral, bgs., works lb. .0160- .0675
Black ash (see Barium sulphide).
Blackberry bark of root, bls lb. .25 - .30
root, bls lb. .15 - .16
Black dyes (see Dyes).
Black haw, root, bark, bls lb. .75 - .80
tree bark, bls lb. .38 - .40
Black indian hemp root, bls lb. .50 - .58
Blanc fixe dry by-product, bgs., c.l., works ton 100.00 - —
l.c.l., works ton 110 00 - —
direct process, bgs., c.l., works ton 90.00 - —
l.c.l., works ton 100.00 —
N. Y. whse ton 120.00 -130 00
pulp, 66%%, bbls., c.l., works ton 84.00 - —
l.c.l., same basis ton 92.00 - —
Bleaching powder, dms., c.l., works. 100 lbs. 5.02 - —
l.c.l., works 100 lbs. 6.52 - —
Blood, dried, 16-16½% ammo., bgs., unit-ton. 6.25 - —
high-grade, unground, 16-17% ammon, bgs., Chicago, unit-ton. 6.25 - —
soluble, bgs., c.l. lb. .17 - .18½
l.c.l. lb. .18 - .25
Bloodroot, bls lb. .60 - .61
Blue, alkali, dry, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. R. including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis lb. 2.00 - —
toner, bbls., litho flushed, same basis lb. 1.10 —
Chinese, bbls., same basis lb. .3990- .45
Cobalt, genuine, bbls., same basis lb. 4.90 - —
imitation (see Blue ultramarine).
Copper-phthalocyanine, full strength, bbls., same basis lb. 3.85 - —
resinated, bbls, same basis lb. 3.40 - —
water dispersable lb. 1.54 - —
Iron (see Blue, Chinese, Milori, Potash, Prussian and Soda).
Methyl violet toner, molybdated, PMA bbls., same basis lb. 2.00 - —
tungstated, PTMA, bbls., same basis lb. 4.05 - —
Milori, bbls., same basis lb. .3990- .45
Peacock, fugitive, 100% color strength, bbls., same basis. lb. .75 - —
Potash, CP, bbls., same basis lb. .56 - —
Prussian, insoluble, bbls., same basis lb. .3990- .45
soluble, bbls., same basis lb. .48 —
Soda, C.P., bronze, bbls. same basis lb. .3990- .45
Blue, ultramarine, cobalt type, dry or pulp, bbls., same basis lb. .28 - .30½
regular types, dry, bbls., same basis lb. .15 - .33½
Victoria toner, molybdic, PMA bbls lb. 3.90 - —
tungstated, PTMA, bbls lb. 5.35 - —
Blue, dry colors, dlvd. prices ½c. higher Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher. Pac. Coast, Denver, Pueblo, Salt Lake City, Wichita frt. equalized with Chicago.
Blue dyes are listed under Dyes.
Blueflag, root, bls lb. .50 - .55
Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).
Boldo leaves, bls lb. .08 - .12
Bone, meal, raw, 4½% ammon., 50% phos., bgs., works, E ton.70.00 - —
steamed, works, E ton.75.00 - —
Phosphate, defluorinated (see D).
of lime (see Calcium phosphate, tribasic).
precipitated (see Calcium phosphate tribasic, NF, precip.).
Raw, bulk, Atlantic ports ton.60.00 - —
Boneset leaves and tops, bls lb. .17 - .20
Borage flowers, bls lb. .40 - .49
Borax, tech., anhydrous, bgs., c.l., works ton.74.50 - —
ton lots, ex whse. N. Y. or Chi ton.120.25 - —
less ton lots, same basis. ton.125.25 - —
bulk, c.l., works ton.67.50 - —
Borax, tech., crystals, 99½%, bgs., c.l., works ton.63.75 - —
ton lots, ex whse. N. Y. or Chi ton.109.50 - —
less ton lots, same basis ton.114.50 - —
bbls., c.l., works ton.88.25 - —
ton lots, ex whse., N. Y., or Chi ton.134.00 - —
less ton lots, same basis. ton.139.00- —
bulk, c.l., works ton.59.25 - —
granular, 99½%, bgs., c.l., works ton.37.75 - —
less ton lots, same basis. ton.88.50 - —
ton lots, ex whse., N. Y. or Chi ton.83.50 - —
bbls., c.l., works ton.62.25 - —
ton lots, ex whse., N. Y. or Chi ton.108.00 - —
less ton lots, same basis. ton.113.00 - —
bulk, c.l., works ton.33.25 - —
powder, bgs., c.l., works ton.42.75 - —
ton lots, ex whse., N. Y. or Chi ton.88.50 - —
less ton lots, same basis ton.93.50 - —
bbls., c.l., works ton.67.25 - —
ton lots, ex whse., N. Y. or Chi ton.113.00 - —
less ton lots, same basis. ton.118.00 - —
bulk, c.l., works ton.38.25 - —
Borax packed in kgs. $45.50 per ton higher than in paper bgs. UPS borax $15 per ton higher.
Bordeaux mixture, bgs., c.l., works, frt. alld. or nearest whse. point lb. .161 - .221
l.c.l., same basis lb. .171 - .241
Borneol, cns. lb. 2.25 2.50
Bornyl thiocyanoacetate (see Isobornyl thiocyanoatcetate).
Borontrifluoride gas, cyls., truckload, works lb. .62 - —
less truckload, works lb. .70 - —
Brazilwood extract (see Hypernic).
Brimstone (see Sulphur).
Bromine, purified cs., c.l., frt. alld. E. of Rockies lb. .25 - —
1,000-lb. lots, same basis lb. .27 - —
dms., lead-lined, dlvd lb. .25 - —
Bromoform, pharmaceutical grade, bots lb. 1.62 - 2.60
cbys. lb. 1.52 - —
Bromstyrol, bots lb. 5.40 - 5.70
Bronze powder, aluminum (see A).
Gold, litho, cns., dms., works, lb. .75 - .85
moulding, cns., dms., works lb. .85 - 1.00
printing ink, cns., dms., works lb. 1.05 - 1.25
radiator, cns., dms. works lb. .80 - .85
Broomtop, bls lb. .30 - .35
Brown, iron oxide, pure, bgs., c.l., works lb. .1275- —
l.c.l., works lb. .13 - —
Oxide, metallic, bgs., works lb. .0375- —
Sap, crystals, bgs., works lb. .12 - —
powdered bgs lb. .13 - —
Sienna, burnt paper bgs., c.l., works lb. .04¼- .15¼
l.c.l., works lb. .04½- .15½
raw, paper, bgs., c.l., works lb. .04½- .13
l.c.l. works lb. .04¾- .13¼
Umber, burnt, American, bgs., c.l., works lb. .06 - —
l.c.l., works lb. .06¼- —
Turkey type, bgs., c.l., Boston, Bethlehem, Easton, Pa., Hiwassee, Va., N. Y. lb. .06¼- —
l.c.l., works lb. .06½- —
raw American, bgs., same basis lb. .06¼- .06¼
Turkey type bgs., same basis lb. .06½- .06¾
Vandyke, bbls, works lb. .11 - —
Brucine, cns., 100-oz lots oz. .33 - .35
Sulphate NF, cns., 100-oz. lots oz. .26 - .29
Bryonia root, bls lb. .22 - .34
Buchu leaves, bls lb. .35 - .40
Buckthorn bark, bls lb. .13 - .17
cut and sifted, bls lb. .18 - .23
Berries, bgs lb. .80 - .90
Burdock, root, bls lb. .22 - .26
Butadiene, cyls, refinery lb. .22 - —
tanks, same basis lb. .12½- —
Butane, indust., tanks, group 3 gal. .05 - —
Butternut bark, bls lb. .23 - .25
Butyl acetate, fermentation, normal, dms., c.l., frt. alld. E lb. .17 - .29¾
l.c.l., same basis lb. .17¾- .30¾
tanks, same basis lb. .15¼- .28
synthetic, normal, dms., c.l., dlvd. E lb. .17 - —
l.c.l., same basis lb. .17¾- —
tanks, same basis lb. .15¼- —
secondary, dms., c.l., dlvd. E. lb. .14 - —
l.c.l., same basis lb. .14¾- —
tanks, same basis lb. .12¼- —
Alcohol (see Alcohol butyl).
Aldehyde, dms., c.l., dlvd lb. .22½- —
l.c.l., dlvd. lb. .23½- —
tanks, dlvd lb. .20¾- —
Chloride, dms., c.l., works lb. .43½- —
l.c.l., works lb. .44 - —
Ether (see Ether butyl).
Lactate, dms., c.l., frt. alld. E. of Rockies lb. .34¾- —
l.c.l., same basis lb. .35¾- —
tanks, same basis lb. .33 - —
Laurate, dms, works lb. .39 - —
Methacrylate normal, dms., less truckloads, works lb. .70 - —
Oleate, refd., dms., l.c.l., works lb. .36 - —
Phenylacetate, dms lb. 4.50 4.60
Phthalate (see Dibutyl phthalate).
Stearate, dms., l.c.l., frt. equald lb. .24 - .27¾
Butylamine, dms., c.l., frt. alld lb. .54¾- —
l.c.l., same basis lb. .55¾- —
tanks, same basis lb .53 - —
Butyric ether (see Ethyl butyrate).

C

Cacao butter (see Cocoa butter).
Cadmium iodide, jars lb. 5.00 5.22
Metal, ingots or sticks, cs., dlvd. lb. 2.25 - —
Stearate, 50-lb ctns., l.c.l., f.o.b. N. Y., frt. equald lb. 1.25 - —
Caffeine, natural, USP, cryst., dms., 100 lbs. or more lb 5.25 - —
anhydrous, dms lb. 5.50 - 5.75
synthetic, USP, cryst., dms., 100 lbs or more lb 3.80 - —
anhydrous, dms., 100 lbs. or more lb. 4.00 - —
Citrated, USP, dms., 100 lbs. or more lb 2.60 - —
Hydrobromide, bots lb. 7.72 7.97
Calamine, USP, dms lb. .34 - —
Calamus root, dom., natural, bgs lb. .25 - .30
imported, bleached, bls lb. .70 Nom.
stripped, bls lb. .30 - .40
Calciferol cryst., vials, 250 grams or more, works gram. 1.90 - —
25 to 249 grams, works gram. 2.10 - —
1 to 24 grams, works gram. 2.30 - —
in edible oil dms., 10,000 or more standard units (1 standard unit equals 1,000,000 USP units), works unit. .04¾- —
1,000 to 10,000 standard units, works unit. .05¼- —
less than 1,000 standard units, works unit .05¾- —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Calcium acetate, bgs., dlvd. 100 lbs. 3.00 - 4.00
Arsenate dealers, dms., c.l., whse., works, frt. alld. on 96 lbs. or over lb. .12 - .11
l.c.l., same basis lb. .11 - .12
Bromide, NF, jars lb. .90 - .92
Carbide, standard generator size, dms., c.l., dlvd. ton.134.40 - —
Carbonate (see Chalk and Whiting).
Chloride, cryst., purified, bbls., jars lb. .28 - .30
flake, 77-80%, paper bgs., c.l., works, frt. equald ton.25.00 - —
liquor, same basis, 40%, tank cars ton.10.50 - —
pellets, bgs., c.l., works ton.31.25 - —
powder, bgs., c.l., works ton.35.65 - —
solid, 73-75%, dms., c.l., frt. equald ton.23.50 - —
l.c.l., works, same basis ton.32.00 -69.00
USP, gran., bbls lb. .30 - —
Chromate, bgs., frt. equald lb. .29½- .30
Cyanide, dms., dlvd. E. of Rockies. lb. .30 - .50
Gluconate, AA, bbls., dms lb. .65 - .74
USP, bbls., dms lb. .58 - .67
Glycerophosphate, NF, fib. dms. lb. 2.00 - 2.15
Hydride, dms., works lb. 2.40 - 3.00
Hypochlorite, high test, cns., cased (45 lbs.) dlvd. E. of Rockies cs.21.00 -23.00
100 lbs., dms., same basis dm.25.25 -29.85
Hypophosphite, dms., ton lots or less lb. .90 - .93
Iodide, jars lb. 4.32 - —
Lactate, USP, dms., 10,000 lbs. or more, works lb. .40 - —
smaller lots, works lb. .41 - .43
Mandelate, USP, dms., works lb. 2.10 - 2.25
Naphthenate, liq., 4% Ca, dms., frt equald lb. .25¾ - —
Nitrate, tech., bbls., works lb. .10 - .12
fertilizer grade, bgs., c.l., Los Angeles ton.49.25 - —
Panthothenate, dextro, jars, 100 grams or more, frt. adjusted gram. .07½- —
Para-aminosalicylate, fib. dms., 1,000-lb. lots or more, frt. adjusted lb. 7.00 - —
smaller lots, same basis lb. 7.05 - 7.50
Phenolsulphonate, dms lb. .70 - —
Phosphate, dibasic, USP, bgs., c.l., 100 lbs. 7.10 - —
l.c.l. 100 lbs. 7.60 - 7.95
teed grade, bgs. c.l., works ton.92.50 - —
l.c.l., bgs., works ton.95.00 - —
monobasic, bgs., 10,000 lbs., works, frt. equald lb. .0625- —
smaller lots, same basis lb. .0675- —
tribasic, precip., NF, bgs., c.l., works 100 lbs. 7.10 - —
l.c.l., works 100 lbs. 7.45 - —
Phytate, bgs., works lb. .28 - —
Resinate, precip. dms. frt. alld., works lb. .27½- —
Silicate, hydrated, bgs., c.l., works lb. .06 - —
l.c.l., works lb. .06½- —
Stearate, ctns., c.l lb. .35 - —
ton lots lb. .36 - —
less ton lots lb. .37 - —
Sulphate (see Gypsum)
Calcium-strontium sulphide, phosphorescent, steel pails, 100 lb. to 999 lb. lots, works lb. 2.60 - 3.50
fine particle size, same basis, works lb. 2.85 - 3.75
Calendula flowers, bls lb. .50 - .65
Calomel, USP, powd. dms lb. 4.02 - 4.05
Camphene, dms., incl., c.l., works, lb. .1830- .1930
l.c.l., same basis lb. .1880- .2015
tanks, same basis lb. .1394- .1660
Chlorinated, 67-69% (see Toxaphene)
Camphor, monobromated, NF, dms., kgs lb. 3.00 - 3.10
natural, USP, powd. 100-lb lots, bbls. lb. .55 - .60
tablets, 1-oz., ½-oz., cs lb. .70 - .75
synthetic, tech., bbls., 10 bbls., 1,500-lb. lots lb. .55½- —
smaller lots lb. .56 - .66
USP, gran., powd., bbls., 2,000-lb. lots lb. .60 - —
1,000-lb. lots lb. .61 - —
smaller lots lb. .62 - —
tablets, tins, 2,000-lb. lots lb. .93 - —
1,000-lb. lots lb. .94 - —
smaller lots lb. .95 - —
Canada balsam (see Fir balsam)
Canella alba bark, bls lb. .25 - .33
Cantharides, Chinese, cs lb. 1.05 - 1.20
powd. bxs lb 1.15 - 1.40
Russian, bgs lb 2.80 - 3.25
powd. bxs lb. 2.90 - 3.50
Capsicum (see Pepper, red).
Oleoresin, NF from domestic pepper dms. lb. 4.25 - 5.75
from African pepper, dms. lb. 4.75 - 6.25
Caramel coloring, NF, bbls gal. 1.05 - 1.20
Caraway seed, Dutch, bgs lb. .10 - .10½
Carbazole 97% steel dms, ton-lots, works lb. 1.55 - —
bbls., same basis lb. 1.65 - 1.85
Carbinol, methylisobutyl, dms., c.l., dlvd. lb. .15¼- —
l.c.l., same basis lb. .16 - —
tanks, same basis lb. .23½- —
Carbon bisulphide, 50-gal. dms., c.l., works, frt. alld. to competitive points lb. .0700- —
l.c.l., same basis lb. .0800- —
5-gal. dms., c.l., same basis lb. .0950- —
l.c.l., same basis lb. .1050- —
tankcars, same basis lb. .0490- —
Dioxide, cyls. lb. .08 - —
Tetrachloride, CP, dms., works lb. .111 - .121
NF, cbys lb. .17 - .19
tech., dms., c.l., E. of Rockies, frt. alld lb. .0860- —
W. of Rockies, f.o.b. stock points lb. .0910- —
l.c.l., E. of Rockies, frt. alld. lb. .1060- —
W. of Rockies, f.o.b. stock-points lb. .1120- —
tanks, E. of Rockies, frt. alld. lb. .0785- —
W. of Rockies, f.o.b. stock-points lb. .0835- —
Carboxymethylcellulose-Sodium—See CMC
Carbromal, NF, dms., 100-lb. lots, works lb. 4.00 - 4.25
smaller lots, works lb. 4.10 - 4.75
Cardamom fruit, bleached, A, cs lb. 3.80 - 3.85
medium, cs lb. 3.30 - 3.40
decorticated, Alleppey, cs. lb. 3.00 - 3.10
Guatemalan, cs lb. 2.95 - 3.00
Mangalore type, cs lb. 2.50 - 2.55
Indian, cs lb. 3.40 - 3.45
green, Alleppey, bgs lb. 1.95 - 2.00
Ceylon, bgs lb. 1.95 - 2.00
seed (see Cardamom fruit, decorticated).
Carmine No. 40, NF, bulk, 100 lbs. or more, dlvd lb. 5.50 - —
smaller lots, dlvd lb. 5.65 - 6.15
Carotene, crystals, research grade, pure alpha or beta ampuls, 10 mg. 5.00 - —
90% beta-10% alpha, ampuls 100 mg. 2.00 - —
gram, quantities, ampuls, gm. 5.00 - —
technical, 1,350,000 A units per ampuls gram gm. .67½- —
tins, works gm. .50 - —
dry powder, 3,330 A units per gram., tins lb. .81 - —
emulsion (in milk), 600,000 A units per 16-oz. can per can. 1.00 - —

Carotene, cryst., tech., in vegetable oil, 166,666 A units, per gram lb.25.24 - —
50,000 A units per gram, cns lb. 7.86 - —
3,330 A units per gram cns lb. .85 - —
feed grade, 5,000,000 to 8,000,000 A units, per lb., dms., works mill units. .18 - —
microcrystalline, in oil, 400,000 A units per gram, tins, works mill units. .30 - —
Carvol, bots lb. 8.75 -10.50
Cascara sagrada bark, bulk lb. .35 - .36
Casein dom., acid-precip standard, bgs., 10,000-lb lots or more, ship't point lb. .28 - .32
premium bgs., 10,000-lb. lots or more, ship't point lb. .35 - .37½
imported, Argentine, acid-precip., grd., 100-bg., lots or more, ex dock lb. .15½- .16½
other origins, rennet, bgs, 10,000-lb. lots or more, ex dock lb. .21¼- .25
Cashewnut shell liquid, treated, dms. c.l. f.o.b. Newark, N. J lb. .21 - —
ton lots, same basis lb. .22¼- —
dm. lots, same basis lb. .24¼- —
Cassia, Batavia, cuttings, bls lb. .13 - .13½
longstick lb. .15 - .15½
shortstick, bls lb. .13½- .14
China, Canton, Kwangsi rolls, select, cs lb. .18¾- .19
broken, bls. lb. .17 - .17½
Honan, Yunnan, scraped, bls lb. .28 Nom.
broken, bls. lb. No stocks.
unscraped, bls. lb. .24½- .25
broken, bls. lb. No stocks.
Saigon, broken, bls. lb. .25 - .26
medium, bls. lb. .28 - .29
thin, bls. lb. .50 - .51

Cassia buds, bgs. lb. .31 - .32
Fistula, bskts lb. .25 - .30
Castor beans, bgs., f.o.b. Brazilian ports long ton.160.00 Nom.
Oil (see Oil, castor)
Pomace, bgs., c.l., works ton.37.25 - —
Castoreum artificial, cns lb. 9.00 - 9.25
natural, cns lb. 7.00 -30.00
Catechol, CP, cryst. fib. dms., works lb. 2.17½- —
resublimed dms., works lb. 4.29½- —
Catnip leaves, southern, bls lb. .65 - .70
Celery seed, French, bgs lb. .32½- .33
Indian, bgs lb. .28 - .28½
Celluloid scrap (see Pyroxylin scrap).
Cellulose acetate flake, ctns., dlvd. lb. .43 - .46
extrusion compounds, translucent, metallic pearls, special black, dms., c.l., same basis lb. .55 - —
l.c.l., same basis lb. .58 - —
molding, composition, plain colors, translucent, metallic pearls, special black, dms., c.l., frt. alld lb. .50 - —
l.c.l., same basis lb. .53 - —
regular black, dms., l.c.l., same basis lb. .43 - —
molding and extrusion transparent, dms., c.l., same basis lb. .55 - —
l.c.l., same basis lb. .58 - —
Acetate-butyrate, flake, 16% butyryl content, standard cartons, works lb. .64 - —
17% butyryl content, standard cartons, works lb. .54 - —

Cellulose acetate-butyrate, flake, 27% butyryl content, standard cartons, works lb. .64 - —
38% butyryl content, low viscosity, standard cartons, works lb. .68 - —
medium viscosity, same basis lb. .54 - —
flake, 50% butyryl content, standard cartons, works. lb. .63 - —
molding composition, plain colors, pearls, transparents, special black, dms., l.c.l., frt. alld lb. .65 - —
regular black, dms., l.c.l., same basis lb. .53 - —
Triacetate, flake, ctns., works, frt. alld. on 100-lbs. or more. lb. .52 - —
Cerium hydrate, dms., works lb. 1.44 1.60
Oxalate, NF, bbls., bgs., works lb. No prices.
Oxide, optical grade, bgs., 50-lbs. or more works lb. 1.75 - 1.95
smaller lots, works lb. 1.80 - 2.25
Chalk, precip., cosmetic, dentifrice, drugs, bgs., c.l. works lb. .0295- .033
l.c.l., ex whse lb. .0395- .05
paint, bgs. c.l., works ton.40.00 - —
papermakers, bgs., c.l., works ton.32.50 -40.00
rubber makers, bgs., c.l., works. ton.55.00 -60.00
Chamomile flowers, Hungarian and Hungarian style, cs. lb. .55 - .65
Roman, cs lb. .75 - .80
Charcoal, activated, NF, fib. dms., c.l., works lb. .25 - .32
5-ton lots, works lb. .26½- .32½
smaller lots, works lb. .27 - .50
Bone (see Black, bone).

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Charcoal, Hardwood—Cornsilk

Charcoal, hardwood, briquets, bgs., c.l., works ton 77.00 -88.00
bulk, c.l., works ton 70.40 - —
granular, bgs., works ton 77.80 - —
Pinewood, gran., powd., bgs., c.l., works, South ton 43.50 - —
t.c.l., works ton 43.50 -53.50
lump bgs., c.l., works, South ton 40.60 - —
t.c.l., works, South ton 50.80 -60.00
bulk, c.l., works, South ton 33.50 - —
Chestnut extract, 25% tannin, bbls., c.l., works lb. .0510- —
t.c.l., works lb. .0543- —
tanks, works lb. .0425- .0440
powd., 60% tannin, bgs., extra, c.l., works lb. .1092- —
t.c.l., works lb. .1165- —
Chloral, tech., 94% min., dms., c.l., works lb. .23 - —
t.c.l., works lb. .24 - —
tanks, works lb. .21 - —
Hydrate, USP, 40-lb. jars, 1,000-lb. lots lb. 1.30 - —
500-lb. lots lb. 1.33 - —
100-lbs. or less lb. 1.35 - 1.40
Chloramine T, NF, bbls., works lb. .75 - 1.00
Chlordane, agricultural, dms., pails, c.l., frt. alld. lb. .65 - —
t.c.l., frt. alld. lb. .66 - .73
refined, dms., c.l., frt. alld. lb. .75 - —
t.c.l., frt. alld. lb. .76 - .82
Chlorinated paraffin, 42% dms., frt. alld., c.l. lb. .14 - .16
t.c.l. lb. .14¾- .17
70%, dms., c.l., same basis lb. .18 - —
t.c.l., same basis lb. .19 - —
Rubber, 5, 10, 20 cps., ctns., c.l., works lb. .58 - —
t.c.l., works lb. .59 - .60
125, 1,000 cps., ctns., c.l., works lb. .60 - —
t.c.l., works lb. .61 - .62

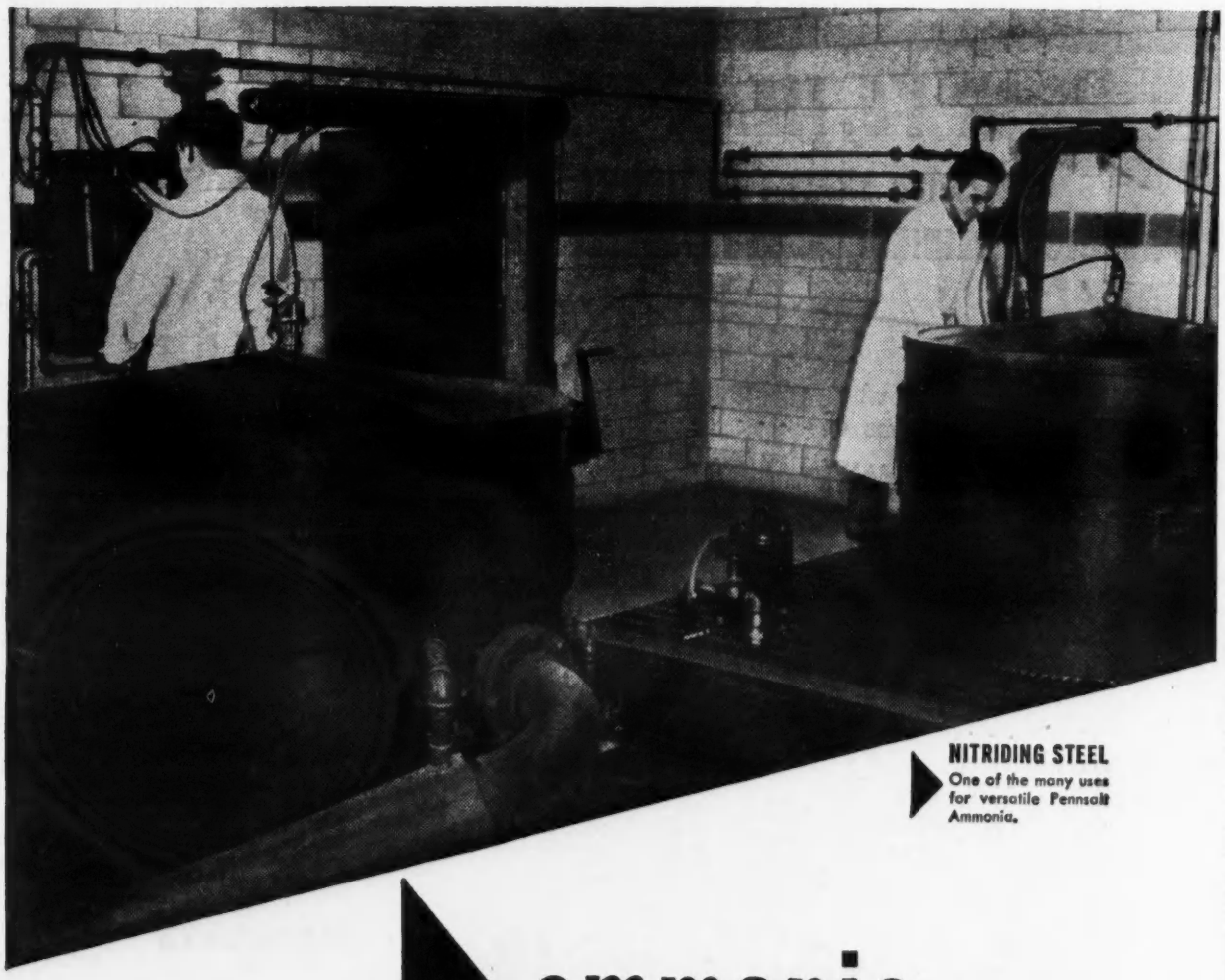
Chlorine, liquid, cyls., c.l., N.Y. lb. .03¾- —
t.c.l., N.Y., stock points lb. .10¼- —
tanks, single units, works, frt. equald. 100 lbs. 2.70 - —
W. of Rockies 100 lbs. 2.82½- —
multiple units, 3 cars, works, frt. equald. 100 lbs. 3.10 - —
2 cars, same basis 100 lbs. 3.80 - —
1 car, same basis 100 lbs. 4.40 - —
Chloreform, tech., dms., c.l., dlvd. E lb. .18 - .182
t.c.l., same basis lb. .182 - .20
tanks, same basis lb. .17 - .171
USP, dms. lb. .30 - .35
Chloro(4)-2-Toluidine, bbls. lb. 1.38 - —
Chlorophyll, oil soluble, 4%, not fixed, tins, pails, works lb. 3.75 - 4.50
copper fixed, 6%, tins, pails, works lb. 6.00 - 6.50
Sodium-copper, aqueous solut., 4%, 55 gal. dms., works lb. 3.25 - —
8%, 55 gal. dms., works. lb. 6.00 - —
15% 55 gal., dms., works. lb. 12.00 - —
concentrated, dom., 50%, dms., works, 100% basis lb. 85.00 -95.00
75%, dms., works, 100% basis 85.00 -95.00
90%, dms., works, 100% basis lb. 85.00 -95.00
imported, 60%, dms., basis 100% lb. 60.00 -65.00
75%, dms, basis 100% lb. 60.00 -65.00
Chloropicrin, com'l, bots. lb. 1.50 - —
cyls., 150 lbs., frt. alld. lb. .95 - —
100 lbs., same basis lb. .97 - —
25 lbs., same basis lb. 1.22 - —

Cholesterol, USP, fib. dms., 100-lb. lots lb. 8.80 - 9.50
5-lb. pkg. lb. 9.00 -10.50
1-lb. pkg. lb. 9.50 -10.50
Choline bitartrate, fib. dms., frt. adjusted lb. 1.70 - 1.95
Chloride, fib dms., same basis lb. 1.70 - 1.95
Dihydrogen citrate, fib. dms., same basis lb. 1.70 - 1.95
Chromium acetate, powd., 72% Cr., bbls., works lb. No stocks.
solut., 7½%, bbls., works lb. .08½- —
cbys. lb. .10¼- —
8½%, bbls., works lb. .09 - —
cbys. lb. .10¾- —
Fluoride, bbls., works lb. .44½- —
Green (see Green, chrome).
Oxide (see Green, chromium oxide).
Oleate, solid, bbls. lb. .49 - —
Trioxide, NF, bots. lb. .82 - .89
Yellow (see Yellow, chrome).
Chrysarobin, USP, bots. lb. 6.50 - 8.00
Cinchona bark, NF, red, broken, bgs lb. .28 - .30
yellow, broken, bgs lb. .28 - .30
Cinchonidine, cryst., cns., 100 ozs. oz. .71 - .72
Sulphate, cns., 100 ozs oz. .37 - .40½
Cinchonine cryst., cns., 100 ozs oz. .57 - —
Sulphate, NF, cns., 100 ozs oz. .30 - —
Cinchophen, NF, heavy density, dms., frt. adjusted lb. 3.70 - 4.05
standard density, dms., same basis lb. 3.50 3.85
Cinchophen-sodium, dms., frt. adjusted lb. 4.50 - 4.85
Cinnamic alcohol (see Alcohol cinnamic)
Aldehyde, NF, cns., dms lb. 1.05 1.30
Cinnamon, Ceylon, No. 2, bls. lb. .23 - .25½
Citral, bots., cns. lb. 4.25 - 4.80
Citronellal, bots., dms. lb. 1.65 - 1.90
Citronellol, bots., dms. lb. 2.15 - 2.30
Civet, artificial, bots. lb. 13.75 -15.00
natural, bots. oz. 2.50 - 7.00

Clay, ball, dom., crushed, bulk, Tennessee ton 10.00 -12.00
airfloated, bgs., c.l., Tennessee. ton 19.50 - —
purified, bgs., c.l., Tennessee. ton 20.50 - —
imported, lump, bulk, Atlantic port, long ton 27.00 -30.00
airfloated, bgs., c.l., Atlantic port, long ton 43.00 -45.00
pulverized, bgs., t.c.l., all ports ton 55.00 - —
97%, 200 mesh, bgs., c.l., Georgia ton 54.00 -56.00
China, dom., dry-grd., air-float, 99%, 300 mesh bgs., c.l., works ton 11.50 -14.50
t.c.l., works ton 35.30 - —
bulk, c.l., works ton 8.50 -11.50
200 mesh, bgs., c.l., works ton 13.50 -17.00
imported, white, lump, bulk, c.l., ex dock, Phila., Portland, Me., Gruas ton 20.00 -40.00
powd., bgs., c.l., ex dock, net ton 50.00 - —
t.c.l., ex whse., net ton 60.00 -65.00
Clove, Madgascar, bls. lb. .91 - .92
Zanzibar, bls. lb. .93 - .94
Clover tops, red, bgs. lb. .45 - .50
CMC, purified, high vis., (see Gum, cellulose).
standard low vis., bgs., 23,000 lbs. or over, works, frt alld. lb. .60 - —
smaller lots, same basis lb. .62 - —
medium vis., bgs., 23,000 lbs. or over, works frt. alld lb. .57 - —
smaller lots, same basis lb. .59 - —
technical, high vis., 58% purity, bgs., 20,000 lbs or more, dlvd. E., 100% basis lb. .56 - —
2,000 to 20,000 lbs., dlvd. E. lb. .58 - —
less than 2,000 lbs., dlvd. E lb. .62 - —
low vis., 62% purity, bgs, or fib. dms., c.l., dlvd. E., basis 100% lb. .46 - .47
t.c.l., dlvd. E., basis 100% lb. .48 - .49
58% purity, bgs., c.l., dlvd. E., net weight basis lb. .34 - —
t.c.l., dlvd. E lb. .36 - —
47½% purity, bgs., c.l., dlvd., E., 100% basis lb. .46 - —
t.c.l., dlvd. E lb. .48 - —
36½% purity, bgs., c.l., dlvd. E., net weight basis lb. .18½- —
t.c.l., dlvd. E lb. .20 - —

Technical grades at CMC West of the Rocky Mountains are quoted f.o.b. works at 1c. per pound below the above delivered prices.

Coaltar, coal gas, water gas, crude, resale dms., c.l., ex-whse. gal. .24 - .27½
t.c.l., ex-whse. gal. .26 - .28½
tanks, ex-whse. gal. .14 - .15
refd., resale, dms., c.l., ex-whse. gal. .25 - .28½
t.c.l., ex-whse. gal. .27 - .29½
tanks, ex-whse. gal. .15 - .16
Cobalt acetate, 23.7% bbls., dlvd lb. 1.14¾- —
Carbonate 48%, powd., bgs., works lb. 1.92¼- —
Chloride, 24.2% Co., kgs., works, lb. 1.10½- —
Hydrate, 60-61% Co., bbls. lb. 2.52 - —
Linoleate fused, 8½% Co., dms. lb. .64½- —
liquid, 6% Co., dms. lb. .53¼- —
Metal, 97.99%, kgs., ex-whse. lb. 2.40 - —
Naphthenate, liq., 6% Co., dms., lb. .42¾- —
Nitrate, 20.1% Co., bbls. lb. .99¼- —
Oxide, black, 70-71% Co., kgs. lb. 1.76 - —
Phosphate, powdered, 32.1% Co., kgs. dlvd lb. 1.57¾- —
Resinate, fused, 3% Co., dms. lb. .27 - —
Sulphate, cryst., 21% Co., dms., works lb. .81¾- —
monohydrated, 33% Co., dms. works lb. 1.28½- —
Cocaine, USP, cns., 100-oz. lots oz. 15.00 - —
Hydrochloride, cns. 100-oz. lots oz. 11.75 - —
Cochineal, USP, gray, bgs. lb. .68 - .90
Cocillana bark, bgs. lb. .13 - .15
Cocoa butter, bgs. lb. .76½- —
Codeine, NF, cns., 100-oz. lots oz. 13.25 - —
Hydrochloride, cns., 100-oz. lots oz. 11.75 - —
Phosphate, USP, cns., 100-oz. lots. oz. 10.25 - —
Sulphate, USP, cns., 100-oz. lots oz. 10.75 - —
Codliver oil (see Oil, codliver).
Cohosh, black, root, bls. lb. .22 - .25
Blue, root, bls. lb. .17 - .18
Colchicine, USP, bots., cns. oz. 74.50 -77.50
Colchicum root, bls. lb. .45 - .60
Seed, bgs. lb. .80 - 1.10
Collodion, USP, dms. lb. .32½- —
Flexible, USP, dms. lb. .34 - —
Colocynth, pulp, bls. lb. .30 - .35
Colombo, root, bls. lb. .11 - .14
Coltsfoot leaves, bgs. lb. .25 - .30
Condurango bark, bgs. lb. .17 - .18
Copaiba balsam, cns., dms. lb. 1.45 - 1.65
Copper acetate, bbls., c.l., works lb. .34¾- —
t.c.l., works lb. .35¾- —
Carbonate, 55%, bgs., works lb. .22 - .23¼
Chloride, anhyd., bbls., works lb. .34½- —
crystals, bbls., works lb. .22¾- —
Citrate, USP, 5-lb. bots lb. 2.40 - —
Cyanide, tech., bbls., over 1,000 lbs. lb. .613 - —
under 1,000 lbs. lb. .633 - —
Gluconate, cns., dms. lb. 3.00 - 3.24
Hydrate, dms., frt. alld. E. Miss. lb. .36 - .36¼
Metal, electrolytic lb. .24½- .27½
Naphthenate, liquid, 8% Cu. dms., frt. alld lb. .24¾- —
Nitrate, tech., cryst., bbls., works, lb. .25¼- —
Oleate, solid, 9% Cu. dms., works, lb. .45 - —
Oxide, black, bbls., works lb. .39 - .40
red, com'l, bbls., c.l., works lb. .43¼- —
t.c.l., works lb. .43¾- —
Oxychloride-sulphate, bgs., frt. alld. lb. .24¼ Nom.
Quinolinalate, fib. dms. lb. 4.25 - 4.50
Resinate, precip., dms., frt. alld. lb. .27½- —
Stearate, ton lots, works lb. .38½- .39¼
less ton lots, works lb. .40½- —
Sulphate, cryst., 99%, bgs., c.l., works 100 lbs. 8.95 - 9.85
t.c.l. 100 lbs. 9.20 -10.95
CP, cryst., gran., bbls., works lb. .1615- —
monohydrated, 35%, dms., c.l., works 100 lbs. 14.93 -15.50
tribasic, dealers, bgs., c.l., works, frt. alld 100 lbs. 25.60 - —
t.c.l., works 100 lbs. 27.10 - —
USP, gran., cryst., dms. lb. .1615- .2500
Undecylenate, dms. lb. 2.90 - 3.00
Copperas, gran., bgs., c.l., works ton 28.50 - —
t.c.l., dlvd. Metro area 100 lbs. 3.00 - —
bbls., c.l., works ton 34.00 - —
bulk c.l., works ton 21.00 - —
Copra, c.i.f. Atlantic, Gulf ports ton 137.50 - —
Pacific ports ton 132.50 - —
Coriander seed, Argentine, bgs. lb. .08½- .09
Czech, bgs. lb. .07½- .08
Moroccan, bgs. lb. .07¼- .07½
Corn sugar tanners, chipped, paper bgs., c.l., 60,000 lbs. min. 100 lbs. 7.35 - —
Syrup, 42°, dms., c.l. 100 lbs. 7.37 - —
t.c.l. 100 lbs. 7.52 - —
Cornsilk, bls. lb. .12 - .14



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Corrosive sublimate, NF, cryst., dms., 50 lbs. or more lb. 3.68 - —
gran. powd., dms., 50 lbs. or more lb. 3.53 - —
Cottonroot, bark, bls lb. .26 - .28
Cottonseed hull ash, 32-36% potash, bgs., dlvd., unit-ton. 1.75 - —
Meal, 41% protein, sacked, Memphis ton 85.00 - —
Coumarin, cryst., NF, cns lb. 2.94 - 3.15
powd., cans lb. 3.20 - 3.25
Cramp bark, NF, bls lb .80 - .90
Craneshill root, bls lb .55 - .60
Cream of tartar, NF, dom., gran. or powd., bbls., 5,000 lbs. one shipment lb. .39½- —
smaller lots, bbls., kgs lb. .40 - .43
imported, kgs lb. .31 - .32
Creosote, carbonate, NF, bots., chys. lb. 2.80 - 2.90
Coaltar, crude, tanks, works, frt. adjusted gal. .20 - —
refined, dms., c.l., works gal. .35 - —
l.c.l. same basis gal. .41 - —
tanks, same basis gal. .27 - —
solution 60% tanks, works gal. .188 - —
Wood, beechwood, chys., dms lb. 1.35 - 1.40
Hardwood, bots., chys lb. 1.05 - 1.10
Pinewood, dms gal. .31 - .32
Cresol tecn., dry, above 207°C, non-ref. dms., c.l., frt. equald. lb. .158 - —
l.c.l. same basis lb. .161 - —
ref. dms., c.l., same basis lb. .155 - —
l.c.l. same basis lb. .16 - —
tanks, same basis lb. .145 - —
USP, non-ref. dms., c.l., same basis lb. .168 - —
l.c.l. same basis lb .171 - —
Cresol, USP, ref. dms., c.l., same basis lb. .16½- —
l.c.l. same basis lb. .17 - —
tanks, same basis lb. .155 - —
Crotonaldehyde, 91-93%, l.c.l., works lb. .24¼- .25
Cryolite, nat., industrial, bgs., c.l., works 100 lbs. 10.50 - —
l.c.l., works 100 lbs. 11.25 - 11.50
Insecticide, dealers, bgs., c.l., dlvd 100 lbs. 15.25 - —
l.c.l., dlvd. 100 lbs. 16.25 - —
Cube root, powd., 5% rotenone, bgs., works lb. .25 - .26
Cubeb berries, KX NF, bgs lb. .45 - .52
powd., cs lb. .55 - .60
Culvers root, bbls lb. .65 - .75
Cumene, dms., c.l., works lb. .12 - —
l.c.l. works lb. .14 - —
tanks, works lb. .11 - —
Cumin seed, Indian, bgs lb. .17¾- .18
Iranian, bgs lb. .17¾- .18
Moroccan, bgs lb. .19 - .19¼
Syrian, bgs lb. .17¾- .18
Cutch extract 55% tannin bgs. ex dock, duty extra lb. .08¼- —
Cyanamide fertilizer mixing grades, 20.6% N., gran. bgs., Niagara Falls, Ont., contract ton. 62.50 - —
pulv., 21% N, bgs., works unit ton. 2.90 - —
Cyclonexane, tech., 95%, dms., c.l., dlvd lb. .11 - —
l.c.l., dlvd. lb. .11¾- —
tanks, dlvd. lb. .09¼- —
Cyclohexanol, tech., dms., c.l., works lb. .37¾- —
l.c.l. works lb. .38¼- —
tanks works lb. .36¼- —
Cyclohexanone, tech., dms., c.l., lb. .26½- .30
l.c.l., works lb. .27 - .31
tanks, works lb. .25 - .29
Cyclohexylamine, dms., c.l., works. lb. .41½- —
l.c.l. works lb. .42½- —
tanks, works lb. .40 - —
Cyclopropane CP 2 lb. cyls., works, cyl. 48.00 - —
6 oz. cyls., works cyl. 12.00 - —
USP, hospitals, cyls., 40 gal. lots gal. .38 - —
100-gal. lots gal. .37 - —
200-gal. lots gal. .36 - —

D

2,4-D bbls., c.l. works frt. equald. lb. .61 - —
l.c.l., same basis lb. .67 - —
2,4-D isopropyl ester, dms., c.l., works lb. .67 - —
l.c.l., works lb. .72 - .74
Damiana leaves, bls lb. .28 - .30
Dandelion root, bls lb. .45 - .50
DDD, tech. fine grd. 6lb. dms., c.l., works lb. .60 - —
l.c.l., works lb. .61 - —
DDT, fiber dms., c.l., works, frt. equald lb. .48 - .50
smaller lots, same basis lb. .50 - .53
Decanol, normal, tech., dms., c.l., dlvd lb. .419 - —
l.c.l. dlvd lb. .439 - —
tanks, dlvd lb. .394 - —
Deertongue leaves, bls lb. .37 - .40
Defluorinated phosphate, 13% P. paper bgs., works ton. 49.25 - —
18½% P. paper bgs., works ton. 62.75 -63.75
Rock, 14½% P. paper bgs., works ton 50.00 - —
Degras, common, bbls lb. .13½- .14
Neutral, less 2% ffa, bbls lb. .21 - .30
over 2% ffa., bbls lb. .20 - .29
Derris root, 5% rotenone powd., bbls lb. .32 - .33
Desoxyephedrine hydrochloride, dextro, bots lb. 30.00 -34.00
dextro-laevo, bots lb. 7.50 - —
Dextrin corn gum, paper bgs., c.l., N.Y. 100 lbs. 9.00 - —
l.c.l. 100 lbs. 9.15 - —
canary, paper bgs., c.l. 100 lbs. 8.74 - —
l.c.l. 100 lbs. 8.89 - —
dark, paper bgs., c.l. 100 lbs. 8.84 - —
l.c.l. 100 lbs. 8.99 - —
white, paper bgs., c.l. 100 lbs. 8.58 - —
l.c.l. 100 lbs. 8.73 - —
Corn dextrin in cotton bgs. 25c. per 100 lbs. higher.
Potato, bgs lb. .10½- .11
Dextrose, USP, dms lb. .17¾- —
Diacetone (see Alconol, diacetone).
Diacetyl, flavor grade, bots lb. 4.50 - 4.60
laboratory, grade, bots 100 grams 4.50 - —
tech., bots., works lb. 3.00 - —
Diamyl ether (see Ether, amyl).
Phthalate, dms., c.l., dlvd. E lb. No prices.
l.c.l., dlvd. E lb. No prices.
tanks, dlvd. E lb. No prices.
Dianisidin, dms lb. 1.90 - —
Diatomaceous earth, dom., bgs., c.l., Atlantic coast ton. 52.00 -55.00
California ton. 42.00 -45.00
l.c.l., ex whse ton. 85.00 -90.00
purified, bgs., c.l., Atl. ton. 65.00 - —
California ton. 53.00 - —
l.c.l., ex whse ton. 95.00 -100.00
Atlantic coast ton. 95.00 -100.00
Mexican, white, bgs., c.l., Atlantic coast lb. .03 - —
l.c.l., Atlantic coast lb. .06 - —
Dibenzyl sebacate, dms., c.l., works, lb. .92¾- —
l.c.l., works lb. .93¾- —
tanks, works lb. .91 - —
Dibutyl phthalate, dms., c.l., dlvd., E lb. .37¾- —
l.c.l., same basis lb. .38¾- —
tanks, same basis lb. .36 - —
Dibutyl sebacate, CP, dms., c.l., works lb. .92 - —
l.c.l., works lb. .93 - —
tanks, works lb. .90¼- —
tech., dms., c.l., works lb. .90 - —
l.c.l., works lb. .91 - —
tanks, works lb. .88¼- —
Tartarate, dms., works, frt. alld. lb. .79 - —
Dibutylamine, dms., c.l., dlvd lb. .54¾- —
l.c.l., dlvd lb. .55¼- —
tanks, dlvd lb. .53 - —
Dicapryl phthalate, dms., c.l., dlvd. lb. .38¾- —
l.c.l., dlvd lb. .39¾- —
tanks, dlvd lb. .37 - —
Sebacate, dms., c.l., works lb. .78½- —
l.c.l., works lb. .79½- —
tanks, works lb. .76¾- —
Dichloroanilin, dms., works lb. .75 .83
Dichlorodiphenyltrichloroethane (see DDT).
Dichloroethyl ether (see Ether, dichloroethyl).
Dichloropentanes, dms., c.l., works. lb. .06 - —
l.c.l., works lb. .07 - —
tanks, works lb. .04 - —
Dicyclohexylamine, dms., c.l., works. lb. .45 - —
l.c.l., works lb. .46¾ - —
tanks, works lb. .44½ - —
Dicyclohexylphthalate, 6lb dms., c.l., works lb. .60 - —
l.c.l., same basis lb. .61 - —
Dieldrin, dms., frt. allo lb. 2.60 - —
l.c.l., frt. allo lb. 3.04 - —
Diethanolamine, dms., c.l., dlvd. E. lb. .29¼- —
l.c.l., same basis lb. .30¼- —
tanks, same basis lb. .27½ - —
Diethyl carbonate, dms., c.l., frt. allo lb. .46¾ - —
l.c.l., same basis lb. .47¾ - —
tanks, same basis lb. .45 - —
Diethyl maleate, dms., c.l., dlvd. lb. .50 - —
l.c.l., dlvd lb. .48¼- —
tanks, dlvd lb. .48½- —
Diethyl oxalate, dms., c.l., frt. allo. lb. .41¾- —
l.c.l., same basis lb. .42¾- —
tanks, same basis lb. .40 - —
Phthalate, dms., c.l., dlvd lb. .31¼- —
l.c.l., dlvd lb. .32¼- —
tanks, dlvd lb. .29½- —
Sulphate, dms., c.l., works lb. .18¾- —
l.c.l., works lb. .19¼- —
tanks, works lb. .17 - —
Dichlorodiphenyldichloroethane (see DDD)
Diethylamine, dms., c.l., dlvd. E lb. .54½- —
l.c.l., same basis lb. .55¼- —
tanks, same basis lb. .52½- —
Diethylanilin, dms lb. .48 - —
Diethyleneglycol, dms., c.l., dlvd. E. lb. .20¼- —
l.c.l., same basis lb. .21¼- —
tanks, same basis lb. .18½- —
Boriborate, dms., l.c.l lb. .30½- —
Diethylether, dms., c.l., works lb. .46½- —
l.c.l., works lb. .47 - —
Monobutylether, dms., c.l., works. lb. .28¾- —
l.c.l., works lb. .29¼- —
tanks, works lb. .27 - —
Monobutylether acetate, dms., c.l., works lb. .30 - —
l.c.l., works lb. .30½- —
Monoethylether, dms., c.l., works lb. .20¼- —
l.c.l., works lb. .20¾- —
tanks, works lb. .19 - —
Monoethylether acetate, dms., c.l., works lb. .26¾- —
l.c.l., works lb. .27¼- —
Monomethylether, dms., c.l., works lb. .24¾- —
l.c.l., works lb. .25¼- —
tanks, works lb. .23½- —
Diethylenetriamine, dms., c.l., dlvd. E lb. .43 - —
l.c.l., same basis lb. .44 - —
tanks, same basis lb. .41½- —
Diethylethanolamine, dms., c.l., dlvd lb. .67½- —
l.c.l., same basis lb. .68½- —
tanks, same basis lb. .65¾- —
Diethylstilbestrol, USP, bots., 10-kilo lots kilo. 115.00 -150.00
1 kilo lot kilo. 135.00 -150.00
Digitalis, leaves, USP, dom., dms. lb. 1.10 - 1.15
Digitoxin, USP, bots gram. 7.75 - 8.50
Diglycol, laurate, dms lb. .32½- .37
Oleate, dms lb. .32 - —
Stearate, dms lb. .25 - .27
Dihexyl sebacate, dms., c.l., works. lb. .76½- —
l.c.l., works lb. .77½- —
tanks, works lb. .74¾- —
Dihydrazine sulphate, dms., works lb. 1.10 - 1.25
Dihydrostreptomycin hydrochloride and sulphate, bulk, 50 kilos or more gram. .324 - —
unlabeled 1-gram vials, 1 to 500,000 vials vial. .384 - —
5-gram vials, 1 to 500,000 vials vial. 1.766 - —
Dihydroxydichlorodiphenylmethane, pure, dms lb. 2.80 - 3.00
tech., dms lb. 1.15 - 1.25
Di-isobutyl ketone, dms., c.l., dlvd. lb. .17¾- —
l.c.l., dlvd. lb. .18¾- —
tanks, dlvd. lb. .16 - —
Di-isobutylene, dms., c.l., works lb. .09¼- —
l.c.l., works lb. .10 - —
tanks, works lb. .07½- —
Di-iso-octyl phthalate, dms., c.l., dlvd lb. .41¾- —
l.c.l., same basis lb. .42¾- —
tanks, same basis lb. .40 - —

Fight Corrosion with Chromate Pigments

SODIUM BICHROMATE
SODIUM CHROMATE
POTASSIUM BICHROMATE
CHROMIC ACID

Unique properties offer protection to scratched surfaces

Organic finishes containing chromate pigments provide more than color . . . . . they afford chemical protection against corrosion. Potassium Zinc Chromate (Zinc Yellow) and Potassium Barium Chromate form a lasting anti-corrosive coating. Their slight solubility facilitates redistribution of inhibiting hexavalent chromium to susceptible points where the film may have been injured by scratching. The protective capacity of these pigments is responsible for their use in primers for steel used in buildings, automobiles and ships. Weight saving due to the thin film and low density is particularly advantageous to use on aluminum and magnesium alloys for aircraft.

Mutual's research and modern manufacturing methods provide chromium chemicals of highest purity for the rust-inhibiting pigment industry.

MUTUAL CHEMICAL CO. OF AMERICA — SINCE 1845

MUTUAL CHEMICAL COMPANY OF AMERICA
270 MADISON AVENUE, NEW YORK 16, N. Y.

PLANTS: BALTIMORE, JERSEY CITY

Di-isopropylamine—Dyes, Coaltar, for Stains, Oil-Soluble

Di-isopropylamine, dms., c.l., dlvd. E.	lb.	.49¼-	—
l.c.l., same basis	lb.	.50¾-	—
tanks, same basis	lb.	.48 -	—
Dillseed, dewhiskered, bgs	lb.	.11 -	.12½
Dimethyl anthranilate, cns	lb.	5.50 -	5.90
Chloroacetal, dms., c.l., works	lb.	.53 -	—
l.c.l., works	lb.	.55 -	—
tanks, works	lb.	.51 -	—
Hydroquinone, dms	lb.	2.25 -	2.75
Phthalate, dms., c.l., dlvd	lb.	.29¼-	.29¾
l.c.l., dlvd	lb.	.30¼-	.30¾
tanks dlvd	lb.	.27½-	.28
Sebacate, dms., c.l., works	lb.	1.31¾-	—
l.c.l., works	lb.	1.32¾-	—
tanks, works	lb.	1.30 -	—
Sulphate, 55-gal. ret. dms., c.l., works	lb.	.15 -	—
l.c.l., works	lb.	.16 -	—
10-gal. ret dms., works	lb.	.16½-	—
Dimethylamine, 25-40%, dms., c.l., works, basis 100%	lb.	.37 -	.38
l.c.l., works, basis 100%	lb.	.37½-	.38½
tanks, works, basis 100%	lb.	.32 -	—
Dimethylanilin, dms., c.l., frt. alld.	lb.	.26 -	—
l.c.l. frt. alld	lb.	.27 -	—
tanks, frt. alld	lb.	.25 -	—
Dimethylethanolamine, dms., c.l., dlvd	lb.	1.43 -	—
l.c.l., dlvd.	lb.	1.45 -	—
tanks, dlvd.	lb.	1.40 -	—
Dinitroanilin, dms., frt. equald	lb.	.57 -	—
Dinitrobenzene, crude, dms	lb.	.20 -	—
purified, dms.	lb.	.22 -	—
Dinitrochlorobenzene, dms., c.l., frt. alld. E	lb.	.15¼-	—
l.c.l., frt. alld. E	lb.	.15¾-	—
tanks, frt. alld. E	lb.	.15 -	—
Dinitrophenol, bbls	lb.	.34 -	—
Dinitrotoluene, oily, dms.	lb.	.10 -	—
refd., dms.	lb.	.21 -	—
Dioctyl adipate, dms., c.l., works	lb.	.47½-	—
l.c.l., works	lb.	.48½-	—
tanks, works	lb.	.45¾-	—
Phthalate, dms., c.l., frt. alld	lb.	.41¾-	—
l.c.l., frt. alld	lb.	.42¾-	—
tanks, frt. alld	lb.	.40 -	—
Diorthotolylguanidin, dms., ton lots, dlvd	lb.	.52 -	—
smaller lots, dlvd	lb.	.53 -	—
Dioxane, dms., c.l., works	lb.	.28¾-	—
l.c.l., same basis	lb.	.29¼-	—
tanks, same basis	lb.	.27 -	—
Dip oil (see Tar acid oil).			
Dipentaerythritol, bgs., c.l., works,	lb.	.34 -	—
l.c.l., works	lb.	.37 -	—
Dipentene, dest-dist., dms., extra, c.l., works	gal.	.49 -	—
l.c.l., works	gal.	.50 -	—
whse.	gal.	.68 -	—
steam-dist., dms., c.l., works, south	gal.	.60 -	—
l.c.l., works South	gal.	.69 -	—
dlvd., N Y	lb.	.83 -	—
Diphenyl, bbls., c.l., works	lb.	.15 -	—
l.c.l., works	lb.	.16 -	.20
Oxide, perfume grade, cns	lb.	.54 -	.65
Phthalate, dms., c.l., works	lb.	.51¾-	—
l.c.l., same basis	lb.	.53¾-	—
Diphenylamine, refined, gran., bbls., c.l., works	lb.	.28 -	—
l.c.l., works	lb.	.30 -	—
tankcars, works	lb.	.25 -	—
tech., tankcars, works	lb.	.24 -	—
Diphenylguanidin dms., ton lots	lb.	.43 -	—
smaller lots	lb.	.44 -	—
Diphenylhydantoin-sodium, USP, dms.	lb.	5.30 -	5.60
Dipropyleneglycol, dms., c.l., frt. alld	lb.	.16¾-	.17
l.c.l., same basis	lb.	.17¾-	.18
tanks, same basis	lb.	.15 -	—
Methylether, dms. c.l., frt. equald.	lb.	.19¾-	—
l.c.l., same basis	lb.	.20¾-	—
tanks, same basis	lb.	.18¼-	—
Di-tertiary-butylmetacresol, dms., c.l., works	lb.	.31 -	—
l.c.l., works	lb.	.32 -	—
tanks, works	lb.	.30 -	—
Di-tertiary butylparacresol, dms., c.l., works	lb.	.91 -	—
l.c.l., works	lb.	.95 -	—
Divi-divi 45% tannin bgs., bls., c.l., U.S. ports, ex dock	ton	68.00 -	—
Divinylbenzene, 20-25%, dms., c.l., works	lb.	.20 -	—
l.c.l., works	lb.	.21 -	—
tanks, works	lb.	.19 -	—
40-50%, basis 100%, dms., c.l., works	lb.	1.17 -	—
l.c.l., works	lb.	1.27 -	—
Dodecylbenzene, dms., c.l., works	lb.	.16 -	—
l.c.l., works	lb.	.17 -	—
tanks, works	lb.	.13½-	—
Doggrass root, dom. cut, bls	lb.	.26 -	.28
imp., cut, bls	lb.	.28 -	.35
Dogwood bark, Jamaica, bls	lb.	.11 -	.13
Dragon's blood, mass, cs	lb.	1.25 -	1.30
reeds, cs.	lb.	1.40 -	1.45

Dyes, coaltar, certified colors for food drugs and cosmetics, 5-lb. and 1-lb. lots, dlvd.:—

Blue, FD&C, No. 1, cns	lb.	17.00	-17.60
No. 2, cns	lb.	17.00	-17.60
Green, FD&C, No. 1, cns	lb.	17.00	-17.60
No. 2, cns	lb.	22.20	-22.85
No. 3, cns	lb.	35.25	-35.90

Dyes, coaltar, certified, colors for food, drugs and cosmetics, 5-lb and 1-lb. lots, dlvd.:—

Orange, FD&C, No. 1, cns	lb.	3.65 -	3.75
No. 2, cns	lb.	4.65 -	4.75
Red, FD&C, No. 4, cns	lb.	7.55 -	7.85
No. 2, cns	lb.	4.00 -	4.10
No. 3, cns	lb.	22.20 -	22.85
No. 4, cns	lb.	7.20 -	7.50
No. 32, cns	lb.	5.30 -	5.40
Violet, FD&C, No. 1, cns	lb.	17.00 -	17.60
Yellow, FD&C, No. 1, cns	lb.	10.50 -	11.05
No. 3, cns	lb.	3.30 -	3.40
No. 4, cns	lb.	3.30 -	3.40
No. 5, cns	lb.	4.00 -	4.10
No. 6, cns	lb.	4.00 -	4.10

Dyes, coaltar, certified colors for drugs and cosmetics, 1-lb. lots, works, 25-50 lb lots, dlvd.:—

Black, D&C, No. 1, cns	lb.	10.95 -	—
Blue, D&C, No. 4, cns	lb.	13.55 -	—
Brown, D&C, No. 1, cns	lb.	16.10 -	—
Green, D&C, No. 5, cns	lb.	16.10 -	—
No. 6, cns	lb.	16.10 -	—
No. 7, cns	lb.	14.80 -	—
Orange, D&C, No. 3, cns	lb.	10.95 -	—
No. 4, cns	lb.	20.05 -	—
No. 5, cns	lb.	5.70 -	—
No. 10, cns	lb.	20.70 -	—
Red, DNC, No. 8, cns	lb.	3.75 -	—
No. 9, cns	lb.	3.75 -	—
No. 10, cns	lb.	3.00 -	—
No. 11, cns	lb.	2.25 -	—
No. 12, cns	lb.	3.00 -	—
No. 17, cns	lb.	10.95 -	—
No. 18, cns	lb.	24.00 -	—
No. 19, cns	lb.	20.05 -	—
No. 21, cns	lb.	4.70 -	—
No. 22, cns	lb.	10.95 -	—
No. 28, cns	lb.	24.65 -	—
No. 33 cns	lb.	17.45 -	—
Violet, D&C, No. 2, cns	lb.	16.10 -	—
Yellow, D&C No. 7, cns	lb.	10.95 -	—
No. 8 cns	lb.	10.95 -	—
No. 10, cns	lb.	13.50 -	—
No. 11, cns	lb.	13.50 -	—

Dyes, coaltar, certified colors for drugs and cosmetics, external use, 1-lb. lots, works, 25-50 lb. lots dlvd:—

Blue, Ext., D&C, No. 1, cns	lb.	16.10 -	—
Green, Ext., D&C, No. 1, cns	lb.	16.10 -	—
Red, Ext. D&C, No. 1, cns	lb.	13.50 -	—
Yellow, Ext., D&C, No. 1, cns	lb.	10.95 -	—
20 Orange AD	lb.	.64 -	—

Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype).

27 Fast light orange 2G	lb.	.78 -	—
31 Phloxine 2G	lb.	.64 -	—
36 Alizarine yellow 2G	lb.	.83 -	—
40 Orange B extra, conc	lb.	1.06 -	—
57 Fuchsine 6B	lb.	.57 -	—
79 Scarlet 2R	lb.	.74 -	—
151 Orange Y	lb.	.47 -	—
161 Orange RR	lb.	.55 -	—
176 Fast red A, conc	lb.	.90 -	—
179 Azo rubine XX, conc	lb.	1.04 -	—
180 Blue F4B	lb.	.92 -	—
185 Brilliant scarlet 3RN, conc	lb.	.93 -	—
202 Chrome blue black, conc	lb.	.68 -	—
203 Chrome black T	lb.	.71 -	—
208 Fast blue SR	lb.	.91 -	—
216 Chrome red B	lb.	.84 -	—
234 Resorcin brown	lb.	.89 -	—
246 Blue black, extra, conc	lb.	.86 -	—
275 Milling red 3R, conc	lb.	2.03 -	—
289 Navy blue 3R, conc., 125%	lb.	1.09 -	—
299 Black F, conc	lb.	1.40 -	—
304 Neutral black 2B, conc., 200%	lb.	2.01 -	—
326 Fast scarlet 4BNC	lb.	1.64 -	—
332 Bismarck brown RX, conc.	lb.	.86 -	—
365 Brilliant yellow, conc	lb.	2.34 -	—
382 Scarlet B	lb.	1.65 -	—
401 Diazo black, BHD	lb.	.63 -	—
406 Blue 2B, extra, conc	lb.	1.07 -	—
419 Diamine fast red FC	lb.	1.12 -	—
420 Diamine brown M	lb.	.90 -	—
448 Benzo purpurine 4B, conc.	lb.	1.18 -	—
518 Diamine sky blue FF, extra, conc., 150%	lb.	2.25 -	—
561 Trisulphon brown BCW, conc	lb.	2.03 -	—
581 Direct black E, double	lb.	.89 -	—
593 Diamine green BXN, conc. 150%	lb.	.97 -	—
598 Congo brown GG, conc. 150%	lb.	1.46 -	—
620 Stilbene yellow G, conc	lb.	.92 -	—
639 Xylene light yellow GX	lb.	1.79 -	—
640 Tartrazine, conc	lb.	1.46 -	—
655 Auramine, conc	lb.	1.85 -	—
667 Victoria green sml. cryst.	lb.	2.10 -	—
662 Brilliant green cryst	lb.	2.79 -	—
667 Brilliant milling green B, conc.	lb.	3.68 -	—
671 Brilliant Blue E	lb.	1.73 -	—
680 Methyl violet S, conc	lb.	1.10 -	—
681 Crystal violet powder	lb.	2.15 -	—
698 Formyl violet S4B	lb.	1.50 -	—
720 Chrome azure blue BR, conc. 200%	lb.	3.75 -	—
729 Victoria blue B, conc	lb.	2.79 -	—
739 Green SN, extra	lb.	2.41 -	—
749 Rhodamine B, extra	lb.	4.33 -	—
814 Fast yellow NNL, conc. 175%	lb.	3.11 -	—
841 Safranine T, extra, conc., 125%	lb.	2.90 -	—
865 Nigrosine WSJ	lb.	.68 -	—
922 Methylene blue ZX	lb.	1.55 -	—
969 Sulphanthrene blue GR paste,	lb.	.76 -	—
978 Sulphogene carbon HCF grains	lb.	.32 -	—
1034 Alizarin red S, conc	lb.	2.59 -	—
1054 Anthraquinone blue B	lb.	2.91 -	—
1078 Anthraquinone green G	lb.	2.72 -	—
1085 Alizarin blue black B	lb.	2.33 -	—
1090 Indanthrene golden orange G, single paste	lb.	2.00 -	—
double paste	lb.	4.00 -	—
1099 Indanthrene dark blue BO, single paste	lb.	1.75 -	—
1101 Brilliant green B, double paste	lb.	2.36 -	—
1106 Indanthrene blue RS, double paste	lb.	2.57 -	—
1113 Indanthrene blue GCD, double paste	lb.	1.75 -	—
1150 Indanthrene olive R, single paste	lb.	1.10 -	—
1151 Indanthrene brown R, single paste	lb.	1.68 -	—
double paste	lb.	3.35 -	—
1212 Sulphanthrene red violet 2RN, single paste	lb.	1.62 -	—
1217 Sulphanthrene orange R, single, paste	lb.	1.63 -	—
p-4 Acid anthracene brown PGN,	lb.	2.31 -	—
p-14 Anthracene chromate brown EBN	lb.	1.31 -	—
p-24 Benzo fast black L, conc., 150%	lb.	2.18 -	—
p-80 Diazo brilliant scarlet ROA	lb.	2.79 -	—
p-202 Zambesi black V	lb.	1.06 -	—
p-313 Naphthol AS-SW	lb.	2.42 -	—
p-244 Celliton scarlet B	lb.	1.31 -	—

Dyes, coaltar, for stains, oil-soluble, 100-lb. dms., sellers' works.

Black blue No. 550	lb.	.81 -	—
Jet, No. 551	lb.	.89 -	—
Brown R, conc.	lb.	1.72 -	—
Orange R, brilliant	lb.	.90 -	—
Red 4 B, conc.	lb.	1.37 -	—
Yellow C	lb.	1.18 -	—
FN, conc.	lb.	1.23 -	—

The right package helps step up sales

It's easy to boost sales of your chemical products when you package them in Continental's oblong "F" style cans. These rugged containers come in ½-pint, pint, quart, half-gallon and gallon sizes—all have convenient pouring nozzles, and the larger ones are equipped with handles. Our lithographers are masters at decorating them for sales appeal.

Before you buy another container, get the Continental story!

Use Continental's steel containers for bulk shipments

Container	Suggested Use
Open Head Pails	Adhesives
Closed Head Drums	Anti-Freeze
Utility Cans	Insecticides
50 & 65 Pound Flaring Pails	Soap Powder
Small Flaring Pails	Dry Chemicals

CONTINENTAL CAN COMPANY

CONTINENTAL CAN BUILDING, 100 East 42nd Street, New York 17, N. Y.

EASTERN DIVISION: 100 E. 42nd St., New York 17 | CENTRAL DIVISION: 135 So. La Salle St., Chicago 3 | PACIFIC DIVISION: Russ Building, San Francisco 4

Dyes, coaltar, for stains, spirit-soluble, 100-lb. dms, sellers works:—

Auramine, O	lb	1.85	—
Black, basic blue	lb	1.21	—
Jet	lb	1.21	—
Blue, methylene, 2 B, conc	lb	1.55	—
Brown, Bismarck R, conc	lb	.86	—
Chrysodine, R, extra	lb	.60	—
Y, extra	lb	.64	—
Fuchsine, conc	lb	3.08	—
Green, malachite, conc	lb	2.10	—
Rhodamine B	lb	4.33	—
Safranine, Y, conc	lb	2.90	—
Violet, methyl B	lb	1.10	—

Dyes, coaltar, for stains, water-soluble, 100-lb. dms, sellers works:

Azo rubine R extra, conc	lb	1.04	—
Black, acid blue B, extra	lb	.86	—
Orange Acid, Y, conc	lb	.47	—
Scarlet croceine, MOO	lb	1.45	—
Yellow azo, conc	lb	.90	—
Fast light, 2 G extra	lb	2.04	—
Methanil, conc	lb	.91	—

Oil-soluble, spirit-soluble, water-soluble dyes in kegs, 3c. higher; tins, 10c. higher.

E

Echinacea root, bls	lb	No stocks.	
Egg albumen (see Albumen).			
Yolk, dried, dom., bbls	lb	1.06	- 1.08
Chinese, spot, bbls., duty paid	lb	No stocks.	
tanners bbls	lb	.06	06½
Elder flowers, bright, bls	lb	.30	.40
Elecampane root, bls	lb	.21	.25
Elm bark grinding, bls	lb	.30	.35
powd., bbls, bxs	lb	.40	.45
select, bundles	lb	.50	.55
Emetine hydrochloride, USP, bots.,	oz.	38.75	-42.85
Ephedrine, synthetic, USP, anhydrous bots., 100-oz. lots	oz.	.98	- 1.00
hydrous, bots., 100-oz. lots	oz.	.92	- —
Hydrochloride, tin, 100-oz. lots	oz.	.75	- —
Sulphate, cryst., tins, 100-oz. lots	oz.	.72	- —
powd., tins, 100-oz. lots	oz.	.73	- —
Epichlorohydrin, dms, c.l., works	lb.	.38¾	—
l.c.l., works	lb.	.39½	—
tanks, works	lb.	.37	—
Epinephrine, synth., USP, bots., 100 grams	gram.	.45	- .55
Epsom salt, tech, bgs., c.l., works, 100 lbs.		2.15	—
l.c.l., works	100 lbs	2.90	3.15
USP, cryst., bgs., c.l., works 100 lbs.		2.35	—
l.c.l., 5,000 lbs., 1 with drawal	100 lbs.	3.10	—
smaller lots	100 lbs.	3.35	—
Ergosterol, unirradiated, cryst	kilo	150.00	—
Ergot, NF, dms., tin-lined	lb	4.50	8.00
Eserine, bots	oz.	45.00	-50.00
Salicylate, USP, bots	oz.	32.50	-34.00
Sulphate, bots	oz.	34.50	-35.50
Ether acetate (see Ethyl acetate)			
Butyl, dms, c.l., works	lb	.34	—
l.c.l., works	lb	.34½	—
tanks, works	lb.	.32½	—
Butyric (see Ethyl butyrate).			
Dichloroethyl, refd., dms., c.l., divd	lb.	.14½	—
l.c.l., same basis	lb.	.15	—
tanks, same basis	lb.	.13	—
technical, dms., c.l., works	lb.	.16½	—
l.c.l., works	lb.	.17	—
tanks, works	lb.	.15	—
Ethyl, absolute, ACS, dms	lb.	.37	—
anesthesia, USP, hospitals, 1-lb. cns	lb.	.89	—
½ lb cns	lb.	.97	—
¼ lb cns	lb	1.05	—
solvent, USP, dms., c.l., divd.	lb.	.15¾	—
l.c.l., same basis	lb.	.16¾	—
tanks, same basis	lb.	.13¾	—
synthetic, dms., c.l., divd, E	lb.	.1575	—
l.c.l., same basis	lb.	.1675	—
tanks, same basis	lb.	.1375	—
Isopropyl, dms., c.l., divd	lb.	.0375	.0856
l.c.l., divd.	lb.	.0750	.0936
tanks, divd	lb.	.05	07½
Nitrous, conc., bots., 100-lb. tots	lb.	1.28	1.33
Vinyl, USP, anesthesia, bots., 50 cc. hospitals	bot.	1.12	—
75 cc. hospitals	bot.	1.56	—
Ethyl acetate, natural, fermentation 85-88%, dms., c.l., frt. alld.	lb.	.12¾	.21¾
l.c.l., frt. alld	lb.	.13¼	.22¾
tanks, frt. alld	lb.	.11	.20
95-98%, dms., c.l., frt. alld.	lb.	.13	.22
l.c.l., frt. alld	lb.	.13¾	.23
tanks, frt. alld	lb.	.11¼	.20¼
99%, dms., c.l., frt. alld	lb.	.13¼	.22¼
l.c.l., frt. alld	lb.	.14	.23¼
tanks, frt alld	lb.	.11½	.20½
NF, dms, frt alld	lb.	.24	.25
synthetic, 85-90%, dms., c.l., frt. alld	lb.	.12¾	—
l.c.l., frt. alld	lb.	.13½	—
tanks, frt. alld	lb.	.11	—
95-98%, dms., c.l., frt. alld	lb.	.13	—
l.c.l., frt. alld	lb.	.13¾	—
tanks, frt. alld	lb.	.11¼	—
99%, dms., c.l., frt. alld	lb.	.13¼	—
l.c.l., frt. alld	lb.	.14	—
tanks, frt. alld	lb.	.11½	—
Acetoacetate, dms., c.l., divd	lb.	.55	—
l.c.l., divd	lb.	.56½	—
Acrylate, dms., c.l., and truckload, divd	lb.	.49	—
less than truckload, divd	lb.	.49½	—
tanks, divd	lb.	.48	—
Aminobenzate, USP (see Benzocaine).			
Benzoate, cns., dms	lb.	.74	.79
Bromide, tech., 98%, dms	lb.	.43	.47
Butyrate, bots	gal.	6.10	6.60
cns., dms., works	lb.	.80	1.02
Carbamate (see Urethane).			
Chloride, tech, dms., c.l., works,	lb.	.18	.20
cyls., c.l., same basis	lb.	.20	.22
tanks, same basis	lb.	.10	—
USP, bbls., cyls	lb.	.22	.24
Cinnamate, cns	lb.	2.25	2.50
Formate, dms	lb.	.60	—
Gallate, dms., 100 lb. to 2,000 lb. lots, works	lb.	3.90	4.40
Iodide, bots., works	lb.	4.13	—
cbys., works	lb.	3.50	—
Lactate, dms., works	lb.	.47½	—
Methacrylate, dms., c.l., and truckload, works	lb.	.50	—
less than truckload, works	lb.	.50½	—
Nitrite (see Ether nitrous).			
Oenanthate, dms	lb	1.00	1.50
Oleate, dms., l.c.l., works	lb.	No prices.	
Oxalate (see Diethyl oxalate).			
Silicate, dist. (see Tetraethyl-orthosilicate).			
40% available SiO, dms., works,	lb.	.60½	—
Ethylalphanaphthylamine (see Monoethylalphanaphthylamine).			
Ethylaniline (see Monoethylaniline).			
Ethylbenzene, dms., c.l.	lb.	.14	—
l.c.l	lb.	.15	—
tanks	lb.	.13	—
Ethylbutyl ketone, dms., c.l., works,	lb.	.33½	—
l.c.l., works	lb	.34	—
tanks	lb.	.32	—

Ethylcellulose, vis. 7 cps., bgs., 5,000 lbs. or more, works	lb.	.70	—
smaller lots, works	lb.	.72	.80
vis. 10, 20, 50, 100, 150 cps., bgs., 5,000 lbs. or more, works	lb.	.65	—
smaller lots	lb.	.67	.75
Ethylene dichloride, dms., c.l., works, frt. alld., E of Rockies	lb.	.11¾	—
l.c.l., works, frt. alld., E. of Rockies	lb.	.12¾	—
tanks, frt. alld., E. of Rockies,	lb.	.10	—
Ethylene dichloride prices W. of Rockies, 1c per lb. higher.			
Oxide, cyls., c.l., frt. equald	lb.	.26	—
l.c.l., frt. equald	lb.	.27	—
tanks, divd E	lb.	.19	—
Trichloride (see Trichloroethane).			
Ethylenediamine, 76%, dms., c.l., divd	lb.	.49	—
l.c.l., divd.	lb.	.50	—
tanks, divd.	lb.	.47	—
Ethyleneglycol, dms., c.l., frt. alld. E	lb.	.18¾	—
l.c.l. same basis	lb.	.19¾	—
tanks, same basis	lb.	.17	—
Monobutylether, dms., c.l., works,	lb.	.23¾	—
l.c.l., works	lb.	.24¼	—
tanks, works	lb.	.22	—
Monoethylether, dms., c.l., works,	lb	.20¼	—
l.c.l., works	lb.	.20¾	—
tanks, works	lb.	.19	—
Monoethylether acetate, dms., c.l., works	lb.	.19¾	—
l.c.l., works	lb.	.20¼	—
tanks, works	lb.	.18	—
Monomethylether, dms., c.l., works	lb.	.22	—
l.c.l. works	lb.	.22½	—
tanks, works	lb.	.21	—

Ethyleneglycol monomethylether acetate, dms., c.l., works	lb.	.23¾	—
l.c.l., works	lb.	.29¼	—
tanks, works	lb.	.27	—
Monostearate, dms	lb.	.35	.42½
Ethylethanolamines, mixed, dms., c.l., frt alld., E Miss	lb.	.42	—
l.c.l., same basis	lb.	.43	—
tanks, same basis	lb.	.40	—
Ethylmorphine hydrochloride, USP, bots	oz.	11.85	—
Ethylorthotoluidine (see Monoethylorthotoluidin).			
Ethylvanillin, cns., 25 lbs	lb	6.75	7.30
smaller lots	lb	7.35	7.40
Eucalyptol, USP, cns., dms	lb.	2.05	- 2.30
Eucalyptus leaves, bls	lb.	.10	.11
Eugenol, pure, USP, bots	lb.	3.80	- 4.25
Euphorbia, herb, bls	lb.	.12	.14

F

Feldspar enamel, 100 mesh, bgs., works	ton.	20.00	-22.00
Glass, 20 mesh, bulk, tons, works.	ton.	11.75	-12.50
Pottery bgs, ton lots, works	ton.	20.00	-22.00
bulk, c.l., works	ton	18.00	-20.00
Fennel seed, Czech, dark, bgs	lb.	.13½	- .14
light, bgs	lb.	.20	- .20½
French bgs	lb.	No stocks.	
Indian, bgs	lb.	No prices.	
Syrian, light, bgs	lb.	.20	.21
Fenugreek seed, Indian, bgs	lb.	No prices.	
Moroccan, bgs	lb.	.05½	- .05¾
Tunisian, bgs	lb.	.05½	- .06
Ferric-ammonium citrate (see Iron ammonium citrate),			
Ferric cacodylate (see Iron cacodylate).			
Ferric glycerophosphate (see Iron glycerophosphate).			
Ferric hypophosphite (see Iron hypophosphite).			
Ferric sulphate (see Iron sulphate ferric).			
Ferrous gluconate, NF, dms	lb.	.88	- .97
Film scrap, colored, cs., works	lb.	.15	—
water white, cs., works	lb.	.20	—
Fir balsam, Canada, cns, early June,	gal.	38.00	—
Oregon bbls	gal	2.35	3.25
Fishberries, bgs	lb.	.17	.21
Fishliver oil (see Oil, fishliver).			
Fishmeal, ground, domestic, 60% protein, bgs., Balto area	ton.	135.60	—
Fishscrap, dried 60% protein, bulk, Balto area	ton	130.00	—
Fluorspar, acid grade, bulk, c.l., mine	ton	60.00	—
ceramic grade, 95-98% CaF_2, grd., bulk, mine, c.l	ton	47.60	Nom.
85% CaF_2, grd., bulk, mine	ton	41.50	Nom.
metallurgical grade, foundry, lump, 55-60% effective CaF_2, bulk, mine, c.l.,	ton.	38.00	Nom.
washed gravel, 59-60% effective CaF_2, bulk, mine, c.l.	ton.	38.00	Nom.
60-65% effective CaF_2, bulk, mine	ton.	39.00	—
65-70% effective CaF_2, bulk, mine, c.l	ton.	40.00	Nom.
70% or better effective CaF_2, bulk, mine, c.l.	ton.	41.00	—
imported, bulk, ex dock, New York	ton.	37.00	Nom.

Dyes, Coaltar, for Stains—Fluorspar, Metallurgical Washed Gravel, 65-70%

MONOETHANOLAMINE

For use as . . . a gas scrubbing agent for recovery of hydrogen sulfide and carbon dioxide . . . a chemical intermediate in the manufacture of various surface active agents, rubber chemicals, and other materials. . . an agent in the manufacture of antibiotics.

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For use as . . . an intermediate in manufacture of surface active agents used in textile specialties, waxes and polishes, herbicides, petroleum demulsifiers, toilet goods, cement additives, cutting oils, etc. . . . a rubber chemicals intermediate.

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MONOETHANOLAMINE • DIETHANOLAMINE • TRIETHANOLAMINE

Shipped in tank cars or drums. For additional information about ethanolamines and technical data on these and other Jefferson chemicals, write to Department A. Ask for our new Product Bulletin.

Formaldehyde—Gum, Ester

Formaldehyde, NF (inhibited), dms., c.l., E. works	lb.	.0625-	.0660
l.c.l., E. works	lb.	.0675-	.0710
tanks, E. works	lb.	.0420-	.0433
methanol-free (uninhibited), tanks, works	lb.	.0395-	.0411

Tankcar and tankwagon prices above are on a delivered basis in New England, Eastern New York, N. J., Eastern Penna., and part of Delaware. In states other than Eastern Seaboard as well as W of Rockies, prices f.o.b. Texas plants, are .0270 for inhibited and .0245 for uninhibited.

Fleaseed (see Psyllium seed).

Fringetree bark, bls	lb.	.55	.62
Fuller's earth, dom., powd., bgs., c.l., Fla., Ga., mines	ton.	38.50	—
Illinois mines	ton.	37.20	—
spent, bulk, Bayonne	ton.	2.00	4.00
imported, bgs., c.l.	ton.	30.00	40.00
Furfural, tech., dms., c.l., works	lb.	.13	—
l.c.l., works	lb.	.15	—
tanks, works	lb.	.108	—
Fusel oil, refined, dms., c.l., dlvd	lb.	.19¾-	.29¾
l.c.l., dlvd	lb.	.20¾-	.30¾
tanks, dlvd	lb.	.27	.28
Fustic extract, cryst., No. 1, bbls., l.c.l	lb.	.47½-	—
No. 2, bbls., l.c.l	lb.	.45½-	—
No. 3, bbls., l.c.l	lb.	.43½-	—
liquid, No. 1, bbls., l.c.l	lb.	.22½-	—
No. 2, bbls., l.c.l	lb.	.21½-	—
No. 3, bbls., l.c.l	lb.	.19	—
solid, No. 1, bxs., l.c.l	lb.	.45	—

G

G salt, bbls., frt. alld	lb.	.73	—
Galangal root, bls	lb.	.18	.25
Gammapicoline, 95%, dms., c.l., works	lb.	1.00	1.05
Gasoline, at refinery, ex tax, Arkansas, 80 octane tanks	gal.	.1075-	—
N. Y. Harbor, 86 octane, tanks	gal.	.1285-	.136
Group 3, 82 octane, tanks	gal.	.10375-	.107
Gulf coast, 82 octane, tanks	gal.	.105	.11
Pennsylvania, western U. S. motor, 86 octane, tanks	gal.	.1275-	.13
natural, 26-70 octane, group 3, tanks	gal.	.06875-	—
Gelatin, silver label, imported, cs.	lb.	1.25	—
Gelsenium root, bls	lb.	.25	.26
Gentian root, bls	lb.	.18	.22
grd., bbls., bxs	lb.	.22	.26
powd., bbls., bxs	lb.	.23	.27
Geraniol, extra, cns., dms	lb.	1.65	1.90
standard, cns., dms	lb.	.75	1.50
Geranyl, acetate, cns	lb.	1.65	1.90
Ginger, oleoresin, NF from African root, bots.	lb.	4.75	7.75
from Jamaican root, bls.	lb.	7.50	12.75
root, African, bls	lb.	.17	.17½
May-June, steamer, bgs	lb.	.16	.16½
Cochin, unbleached, bgs	lb.	.20	.21
May-June, steamer, bgs	lb.	.20	—
Ginger root, Jamaica, No. 1, bgs., May shipment	lb.	.32	—
No. 2, bgs.	lb.	.30	.31
May, steamer, bgs	lb.	.26	—
No. 3, bgs	lb.	.24	.25
May, steamer	lb.	.25	—
Rhattoon, bgs., May, steamer	lb.	.23	.24
Nigerian, split, bgs	lb.	.14½-	.15
April shipment	lb.	.13	.13½
Ginseng root, cs	lb.	13.00	16.00
Glauber's salt, anhyd (see Sodium sulphate).			
cryst., bgs., c.l., works, frt. alld.	ton.	45.00	—
l.c.l., works	ton.	50.00	—
Glue, bone, extracted, 66 jellygrams, bgs., c.l., dlvd	lb.	.24½-	—
88 jellygrams, same basis	lb.	.25	—
104 jellygrams, same basis	lb.	.25½-	—
131 jellygrams, same basis	lb.	.26	—
164 jellygrams, same basis	lb.	.26½-	—
191 jellygrams, same basis	lb.	.27	—
222 jellygrams, same basis	lb.	.28	—
packers', 40 jellygrams, bgs., c.l., dlvd	lb	.21½-	—
65 jellygrams, same basis	lb.	.22½-	—
86 jellygrams, same basis	lb.	.23	—
115 jellygrams, same basis	lb.	.24	—
135 jellygrams, same basis	lb.	.25	—
164 jellygrams, same basis	lb.	.26	—
185 jellygrams, same basis	lb.	.27	—
renderers', 110 jellygrams, bgs., c.l., dlvd	lb.	.22	—
Bone glue, l.c.l. prices 1c. higher.			
Hide, 70-94 jellygrams, bgs., c.l., dlvd	lb.	.26	—
95-121, bgs., c.l., dlvd	lb.	.27½-	.28
122-149, bgs., c.l., dlvd	lb.	.29	.29½
150-177, bgs., c.l., dlvd	lb.	.30	.31
178-206, bgs., c.l., dlvd	lb.	.31	.32
207-236, bgs., c.l., dlvd	lb.	.32	.33
237-266, bgs., c.l., dlvd	lb.	.33	.34
Glue, hide, 267-296, bgs., c.l., dlvd	lb.	.34	.35
299-330, bgs., c.l., dlvd	lb.	.35	.36
331-362, bgs., c.l., dlvd	lb.	.36	.37
363-394, bgs., c.l., dlvd	lb.	.37	.38
395-427, bgs., c.l., dlvd	lb.	.38	.39
428-460, bgs., c.l., dlvd	lb.	.40	.41
461-494, bgs., c.l., dlvd	lb.	.41	.43
495-529, bgs., c.l., dlvd	lb.	.42	.45
Hide glue l.c.l. prices 1c. higher than c.l.			
Glycerin, crude, saponification, 88%, to refiners, tanks, dlvd	lb.	.20	—
soaplye, 80%, tanks, dlvd	lb.	.18	.20
dynamite, dms., c.l., dlvd	lb.	.33¾-	—
l.c.l., dlvd.	lb.	.34¼-	—
tanks, dlvd	lb.	.33¼-	—
high gravity, dms., c.l., dlvd	lb.	.34	—
l.c.l., dlvd.	lb.	.34½-	—
tanks, dlvd.	lb.	.33½-	—
refined, BP, 98%, dms., c.l., dlvd.	lb.	.35⅝-	—
l.c.l., dlvd.	lb.	.36⅛-	—
tanks, dlvd.	lb.	.35⅛-	—
USP, CP, 95%, dms., c.l., dlvd.	lb.	.34½-	—
l.c.l., dlvd.	lb.	.35	—
tanks, dlvd.	lb.	.34	—
yellow, distilled, dms., c.l., dlvd.	lb.	.33⅞-	—
l.c.l., dlvd.	lb.	.34⅜-	—
tanks, dlvd.	lb.	.33⅜-	—
Glycine, USP, (see Acid aminoacetic)			
Glyoxal, 30%, dms., c.l. works	lb.	.18½-	—
l.c.l., works	lb.	.19	—
tanks, works	lb.	.18	—
Gold chloride, acid-brown, bots	oz.	23.50	24.00
acid-yellow, bots	oz.	21.00	21.50
Golden seal root, NF, tested, bls.,	lb.	3.25	3.30
powd., bxs	lb.	3.55	3.60
Gold-sodium chloride, photo, bots	oz.	13.00	14.00
USP IX, bots	oz.	14.50	15.50
Grains of paradise, bgs	lb.	.30	.32
Graphite, amorph., powd., bgs., fib. dms., ex whse	lb.	.05	.095
crystalline, 88-90%, powd., bgs., fib dms., ex whse	lb.	.19	.215
90-92%, powd., bgs., fib. dms., ex whse	lb.	.21	.24½
95-97%, powd., bgs., fib. dms., ex whse	lb.	.29	.31½
flake, No. 1, 90-95%, bgs., fib. dms., ex. whse	lb.	.29	.31
No. 2 90-95%, bgs., fib. dms., ex whse	lb.	.29	.31
Grease, brown, loose, dlvd	lb.	.04¾-	—
house	lb.	.05	—
white, choice	lb.	.07½-	—
yellow	lb.	.05¼-	—
Green, brilliant, thioflavin, toner, molybdated, PMA, bgs., works	lb.	4.50	—
tungstated, PTMA, bgs., works	lb.	6.30	—
Chrome, CP, dark, light, medium, blue content up to 5%, bbls., dlvd. N. of Tenn. and N. C., E. of Miss., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis	lb.	.3515-	.37
6-10%, bbls., same basis	lb.	.3515-	.37
11-15%, bbls., same basis	lb.	.3515-	.37
16-20%, bbls., same basis	lb.	.3515-	.37
21-25%, bbls., same basis	lb.	.3515-	.37
26-30%, bbls., same basis	lb.	.3515-	.37
31-35%, bbls., same basis	lb.	.40	—
36-40%, bbls., same basis	lb.	.40	—
41-45%, bbls., same basis	lb.	.40	—
46-50%, bbls., same basis	lb.	.38	.3990
50-60%, bbls., same basis	lb.	.38	.3990
reduced color, 25%, bbls., same basis	lb.	.17	.17¼
Chrome green prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport 1½c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c; El Paso, 2c.); Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.			
Chromium oxide, hydrated, l.c.l., bbls., dms., frt. alld	lb.	.95	1.20
pure c.l., bgs., frt. alld	lb.	.37½-	.44
Dyes (see Dyes, coaltar).			
Emerald, malachite toner, tungstic, PTMA, bbls., works	lb.	4.50	5.50
Paris (see Paris green).			
Phthalocyanin toner, bbls., works.	lb.	4.40	—
resinated, bbls	lb.	4.00	—
water dispersable, bbls	lb.	1.71	—
Pigment B, kegs	lb.	1.35	—
Grindelia robusta herb, bls	lb.	.30	.32
Guaiac resin, NF, cs	lb.	.55	.60
ordinary, cs	lb.	.49	.51
Guaiacol cryst., tins	lb.	1.90	—
liquid, NF, bots., cbys	lb.	2.15	2.20
Guaiacol carbonate, dms	lb.	3.15	3.20
Guarana powd., cs	lb.	1.50	1.75
Gum accroides (see Gum yacca).			
Aloe (see A.)			
Ammoniac tears, cs	lb.	.35	.65
Arabic, amber sorts, bgs	lb.	.15	.15½
powdered, USP, bbls	lb.	.19	.20
Asafetida (see A).			
Asphaltum (see A).			
Benzoin, Sumatra, cs	lb.	.38	.45
Camphor (see C).			
Cellulose, bgs., 23,000 lbs. or more, works, frt. alld	lb.	.60	—
smaller lots, same basis	lb.	.62	—
works	lb.	6.50	—
Copal, Congo, No. 1, bgs	lb.	.21	.23
No. 2, bgs	lb.	.19	.20
No. 3, bgs	lb.	.17½-	.18½
Manila, loba B, bgs	lb.	No prices.	
C, bgs	lb.	.30	.32
CBB, bgs	lb.	.22	.23
CNE, bgs	lb.	No prices.	
DBB, bgs	lb.	.16	.18
DK, bgs	lb.	.14	.16
dust, bgs	lb.	.12½-	—
soft, MA, bgs	lb.	.15	.16
WS, bgs	lb.	.33	.35
Philippine, pale, chips, bgs	lb.	.24	.25
nubs, bgs	lb.	.30	.32
seeds, bgs	lb.	.19	.21
sorts, bgs	lb.	.21	.22
Pontianak, chips, bgs	lb.	.24	.26
nubs, bgs	lb.	.37	.40
Dammar, Batavia, A/E, bgs	lb.	.25	.26
dust, bgs	lb.	.14	.16
E., bgs	lb.	.16	.18
East India, batu, bold, bgs	lb.	.13	.14
nubs and chips, bgs	lb.	.08	.10
black, bold, bgs	lb.	.14½-	.16
unscraped, bgs	lb.	.12	.13
nubs and chips, bgs	lb.	.12	.13
pale, chips, bgs	lb.	.13	.14
nubs, bgs.	lb.	.19	.20
Singapore, No. 1, bgs	lb.	.36	.38
No. 2, bgs	lb.	.30	.32
No. 3, bgs	lb.	.16	.17
dust, bgs	lb.	.14	.16
seeds, bgs	lb.	.16	.18
Elemi, cns	lb.	.24	.26
Ester, gum-rosin type, dms., c.l., dlvd. Ill., Ind., Ky., Mich., Mid Atl. States, N.E. States, Minneapolis, N. C., Ohio, St. Louis, St. Paul, Va., W. Va	lb.	.14	.14½
wood-rosin type, dms., c.l., dlvd., Ill., Ind., etc.	lb.	.14	—

Announcing Production of Esters...

by Celanese

n-Propyl Acetate

latest in the Celanese Series of Industrial Solvents developed especially for Performance and Economy

N-propyl acetate is the first in a series of esters to be produced by Celanese. It is a medium boiling, low viscosity solvent with a pleasant odor and excellent blush resistance. An economical replacement for such solvents as MIBK, butyl acetate-ethyl acetate combinations, and secondary butyl acetate, Celanese* n-propyl acetate is now available in 90%-92% concentration—in volume quantities to meet both large and small scale requirements.

With the addition of n-propyl acetate, Celanese can now offer a diversified line of organic solvents, providing formulators with the flexibility and economy of split shipments in compartmented tank trucks and cars at bulk prices.

Investigate the cost-saving possibilities of n-propyl acetate. A Celanese technical representative will be glad to review your formulations, and demonstrate how Celanese solvents can give you the performance you need. Write for technical bulletin N-29-1.

Celanese Corporation of America, Chemical Division, Dept. 656-E, 180 Madison Avenue, New York 16, N. Y.

Properties

Color.....15 APHA
Spec. Grav.....0.880–0.885 @ 20/20°C
Boil. Pt.....95°C–103°C
Ester Content...90%–92%

Solvents by Celanese

Solvent 203	Acetone
Solvent 301	Methanol
Solvent 601	n-Propyl Acetate
Solvent 901	Butyl Alcohols

Celanese* CHEMICALS

*Reg. U. S. Pat. Off.

Gum, euphorbium, cs.....lb. .55 - .60
Galbanum, cs.....lb. .75 - .80
Gamboge, pipe, cs.....lb. .70 - 1.00
powd., bbls.....lb. .90 - 1.20
Ghatti No. 2, bgs.....lb. .35 - .37
No. 3, bgs.....lb. .31 - .33
Guaiac (see Guaiac resin).
Karaya, NF, powd., No. 1, bbls.....lb. .44 - .54
No. 2, bbls.....lb. .37 - .50
No. 3, bbls.....lb. .30 - .40
Kauri, bgs.....lb. .30 - .50
Kino, cs.....lb. 1.15 - 2.40
Locust bean, powd., bgs.....lb. .32 - .35
Mastic, cs.....lb. 2.00 - 2.10
Myrrh, cs.....lb. .30 - .35
Olibanum siftings, cs.....lb. .16 - .18
tears, cs.....lb. .20 - .30
Opium (see O).
Red (see Gum yacca).
Rosin (see R).
Sandarac, cks.....lb. 3.20 - 4.00
Scammony, cs.....lb. 1.50 - 1.55
Sterculia (see Gum karaya).
Talha, bgs.....lb. .10 - .11
Tragacanth, No. 1, cs.....lb. 3.00 - 3.05
No. 2, cs.....lb. 2.60 - 2.65
No. 3, cs.....lb. 1.70 - 1.75
powdered, USP, bbls.....lb. 1.25 - 1.35
Yacca, bgs.....lb. .06 - —
Gypsum, anhydrous filler, paper bgs., c.l., Medicine Lodge Kan ton.19.00 - —
Plaster of paris, paper bgs., c.l., Baltimore, frt. equald ton.18.30 - —
Harlem river, N. Y., frt. equald ton.17.30 - —
Medicine Lodge, Kan., frt. equald ton.16.00 - —
Stucco, Akron, N. Y., frt. equald, ton. 8.00 - —
Blue Rapids, Kans., frt. equald ton. 8.00 - —
Fort Dodge Iowa, frt equald, ton. 8.00 - —
Gypsum, Ohio, frt. equald ton. 8.00 - —
Grand Rapids, Mich., frt. equald ton. 8.00 - —
New Brighton N. Y., frt. equald ton. 8.00 - —
Plasterco, Ga., frt. equald ton. 8.00 - —
Roton, Texas, frt. equald ton. 8.00 - —
Southard, Okla., frt. equald, ton. 8.00 - —
Sweetwater, Texas, frt. equald ton. 8.00 - —
Terra alba, dom., paper bgs., c.l., Baltimore ton.14.40 - —
Harlem River, N. Y. ton.14.40 - —
imported, English, paper bgs., ex dock..ton.48.00 - —
ex warehouse.....ton.53.00 -56.00

H

Hawthorn berries, bgs.....lb. .30 - .32
Heliotropine, cryst., cns.....lb. 3.10 - 3.45
Helonias root, bls.....lb. 1.65 - 1.75
Hellebore root dom., green, bls..lb. .60 - .65
imp., black, whole, bls.....lb. .25 - .30
ground, bxs.....lb. .30 - .35
powder, bxs.....lb. .32 - .37
white, whole, bls.....lb. .25 - .30
powder, bxs.....lb. .35 - .45
Hematine, extract, cryst., No. 1, bbls., l.c.l..lb. .47 - —
No. 2, bbls., l.c.l.....lb. .43 - —
No. 3, bbls., l.c.l.....lb. .41 - —
No. 4, bbls., l.c.l.....lb. .39 - —
No 5, bbls., l.c.l.....lb. .37 - —
paste, No. 1, bbls., l.c.l.....lb. .20½ - —
Henbane leaves, bls.....lb. .35 - .40
Henna leaves, bls.....lb. .23 - .25
powd., bbls., bgs.....lb. .22 - .29
Heptane, industrial, Bayonne, N. J., tanks..gal. .18 - —
group 3, tanks.....gal. .1375- .1405
Hesperidin methylchalcone, bots., works..lb.50.00 - —
Hexachlorophene, dms..lb. 2.60 - —
Hexalin (see Cyclohexanol).
Hexamethylenetetramine, tech., bgs., 1,000-lb. lots or more, Perth Amboy or N. Y. C. lb. .232 - —
less than 1,000-lb. lots, same basis lb. .242 - —
fib. dms., 1,000-lb. lots or more, same basis lb. .239 - —
less than 1,000-lb. lots, same basis. lb. .249 - —
USP, dms., 500 lbs. or more, same basis. lb. .40½ - —
smaller lots, same basis...lb. .41½ - —
Hexamine (see Hexamethylene tetramine).
Hexane, industrial, Bayonne, N. J., tanks..gal. .18 - —
Group 3, tanks.....gal. .145 - .148
Hexanol, normal, dms., c.l., works. lb. .34½ - —
l.c.l., works.....lb. .35 - —
tanks, works.....lb. .33 - —
Hexyl cinnamic aldehyde, dms..lb. 2.25 - 7.50
Salicylate, dms.....lb. 1.75 - —
Hexyleneglycol, dms., c.l., dlvd..lb. .15¾ - —
l.c.l., dlvd.....lb. .16½ - —
tanks, dlvd.....lb. .14 - —
Hexylmethacrylate, normal, dms., less than truckload, works. lb. .71 - —
Hexylresorcinol, USP, dms., 50-lb. lots or more, frt. alld..lb.17.00 - —
works.....lb.15.00 -17.00
smaller lots, frt. alld.....lb.18.00 - —
works.....lb.16.00 -20.00
Histamine diphosphate, USP., bots. kilo.450.00 - —
Histidine hydrochloride, laevo, NF, fib. dms., 50-kilo lots, works. kilo.80.00 -85.00
1-3 kilo lots works.....kilo.90.00 -95.00
Homatropine hydrobromide, USP, bots..oz.13.75 -14.00
Hydrochloride, bots.....oz.20.00 -22.00
Methylbromide, USP, bots.....oz.13.00 -14.50
Hoofmeal, 17-18% ammonia, bulk, c.l., Chicago..unit-ton. 6.75 - —
Hops, NF, bls.....lb. .30 - .33
Horehound herb, bls.....lb. .14 - .15
Hydrangea root, bls.....lb. .22 - .25
Hydrastine, bots.....oz.29.50 -31.00
Hydrochloride, NF, bots.....oz.29.50 -31.00
Sulphate, bots.....oz.35.00 -37.00
Hydrastinine, 10-grain bots.....bot. 1.95 - —
Hydrastis (see Goldenseal).
Hydrazine, free base, ret. dms., Niagara Falls..lb. 4.50 - 5.25
Hydrate, 100%, ret. dms., Niagara Falls..lb. 3.00 - 3.50
85%, same basis.....lb. 2.55 - 3.00
Hydrofuramide, dms., fib. ctns., works..lb. .30 - .40
Hydrogen chloride anhyd., 50-lb. cyl., works..lb. .55 - .60
Peroxide, USP, bbls., dlvd.....lb. .03¾ - .05
35%, chys., same basis.....lb. .217 - .242
dms., c.l., same basis.....lb. .21 - —
l.c.l., same basis.....lb. .215 - .24
tanks.....lb. .203 - —
Hydrogen peroxide prices on W. Coast 2c per lb. higher.
Hydroquinone, photographic grade, bbls., dms..lb. .93 - 1.00
tech., dms. frt. equald.....lb. .78 - .84
Hydroxycitronellal, cns.....lb. 6.10 - 6.70
Hyoscine salts (see Scopolamine).
Hyoscyamine, bots.....oz.15.75 -16.00
Hydrobromide, bots.....oz.16.50 -18.00
Sulphate, bots.....oz.12.00 -15.00

Hypernic extract, cryst., No. 2, bbls., l.c.l..lb. .52 - —
liquid, No. 1, bbls., l.c.l.....lb. .35 - —
No. 2, bbls., l.c.l.....lb. .27 - —
Hyssop herb, bgs.....lb. .35 - .44
Leaves, bgs.....lb. .52 - .53

I

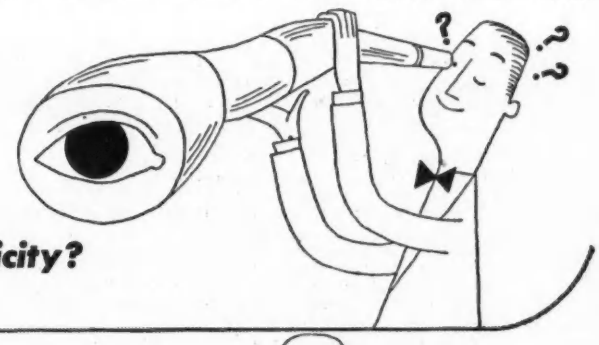
Iceland moss, bgs.....lb. .30 - .35
Ichthammol, NF, dms.....lb. .60 - .75
Indian red (see Red, Indian).
Indigo, nat., chests.....lb. 2.14 - 2.16
synth., paste, 20%, bbls.....lb. .28 - 28½
Indol, CP, bots.....lb.17.00 -21.00
Inositol dms., dlvd.....lb. 5.60 - —
tins, dlvd.....lb. 5.70 - —
Insect flowers (see Pyrethrum).
Iodine, crude, kgs.....lb. 1.84 - 2.04
resublimed, USP, bots., jars..lb. 2.55 - 2.78
Iodochlorohydroxyquin, USP, dms.lb. 6.90 - —
Iodoform, NF, dms., kgs.....lb. 4.70 - 4.85
Ionone alpha, cns.....lb. 5.05 - 9.05
Beta, cns.....lb. 5.20 -15.00
Methyl, dms., cns.....lb. 5.00 - 8.25
Ipecac root, bgs.....lb. 6.50 - 6.75
powd., bbls., bxs.....lb. 6.75 - 7.00
Irish moss, bleached, prime, bls..lb. .25 - .30
Iron acetate liquor, 28°, bbls., c.l., works..lb. .09 - —
l.c.l., works.....lb. .09¾ - —
solut., USP, IX, chys.....lb. .16 - —
djns.....lb. .17 - —
Cacodylate, NF, bots.....lb.13.00 -14.00
Chloride (ferric), anhydr., tech., dms., c.l., works.. 100 lbs. 6.25 - —
l.c.l., works.....100 lbs. 7.50 - —
cryst., indust., bbls., c.l., works 100 lbs. 5.25 - 6.25
l.c.l., works 100 lbs. 5.75 - 6.75
USP, dms., works.....lb. .07½ - .09
Iron chloride, solut., 42° Be, basis 100%, chys., c.l., works. 100 lbs. 7.25 - 8.25
l.c.l., works 100 lbs. 7.75 -10.75
tanks, works.....100 lbs. 3.45 - —
Citrate, gran., dms.....lb. .77 - .80
Gluconate, NF (see Ferrous gluconate, NF).
Glycerophosphate, NF, powd.lb. 4.45 - 4.55
Hypophosphite, NF, dms.....lb. 2.80 - —
Iodide bgs.....lb. 3.66 - 3.73
Naphthenate liq., 6% Fe., dms., frt. alld lb. .23¾ - —
Oxalate, gran., dms.....lb. .85 - .87
Phosphate, soluble, NF, gran., pearls, cs lb. .64 - .65
Pyrophosphate, soluble, NF VII, gran., pearls, dms lb. .78 - .81
Reduced, NF, kgs.....lb. .90 - .95
Resinate, 7.4% Fe dms frt. alld lb. .26½ - —
Stearate, dms., c.l.....lb. .37 - —
ton lots.....lb. .38 - —
less ton lots.....lb. .39 - —
Sulphate, ferric, partially hydrated, bgs., c.l., works..ton.30.00 - —
l.c.l., works.....ton.31.00 - —
ferrous, tech. (see Copperas), USP, cryst., bbls., dms.....lb. .09½ - .10
Iron by hydrogen (see Iron, Reduced).
Iron-ammonium citrate, green, NF, gran., dms lb. .55 - .60
brown, USP, gran. dms..lb. .55 - .59
Oxalate, fine gran., dms.....lb. .25½ - .28½
Iron-potassium oxalate, fine gran., dms lb. .30½ - .33½
Iron-sodium, oxalate, fine gran., dms lb. .25½ - 28½
Isoborneol, cns.....lb. 1.25 - 1.70
Isobornyl acetate, cns.....lb. .70 - .97
Formate, dms.....lb. .80 - —
Propionate, dms.....lb. 1.15 - 1.50
Isobutyl acetate, cns.....lb. .75 - .97
Methylacrylate, dms., works..lb. .60 - —
Isobutyraldehyde, dms., works..lb. .50 - .53
Isoeugenol, cns.....lb. 4.75 - 5.40
Isopentane, dms., works.....lb. .43 - .55
Isophorone, dms., c.l., works..lb. .24¼ - —
l.c.l. works.....lb. .24¾ - —
tanks, works.....lb. .22½ - —
Isopropanol (see Alcohol, isopropyl).
Isoproply acetate, dms., c.l., dlvd. lb. .12¾ - —
l.c.l., same basis.....lb. .13½ - —
tanks, same basis.....lb. .11 - —
Alcohol (see Alcohol, isopropyl).
Benzene (see Cumene).
Ether (see Ether, isopropyl).
Isopropylamine (see Monoisopropylamine).
Isopropylphenol, dms., c.l., works lb. .46 - —
l.c.l., works.....lb. .47 - —
tanks, works.....lb. .45 - —
Isoquinoline, dms., works.....lb. .65 - 1.25

J

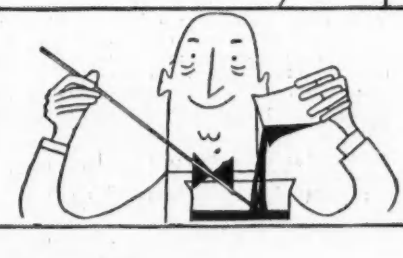
Jaborandi leaves, bls.....lb. .15 - .20
Jalap root, NF, bls.....lb. .45 - .55
powd., bbls., bxs.....lb. .50 - .60
Juniper berries, bgs.....lb. .08 - .15
Tar, NF, dms.....lb. .42 - .45

K

Kamala, powd., cns.....lb. .75 - .80
Kava Kava root, bls.....lb. .28 - .30
Kaolin (see also Clay, China), NF, powd., fib. dms.....lb. .06 - 16½
colloidal, fib. dms.....lb. .15 - .15½



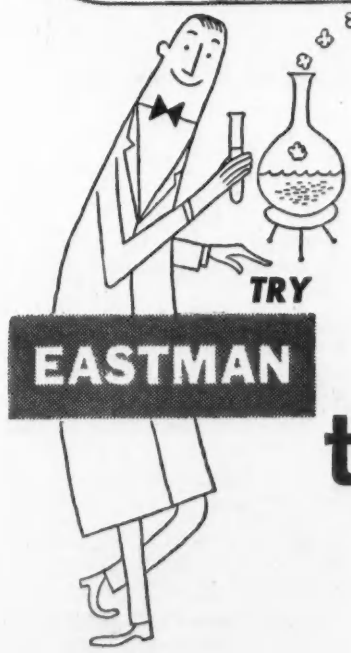
Looking for a noncorrosive solvent with low toxicity?



Working with lubricant additives?

Examining catalysts for use in:
1. the dehydration of glycols
2. the synthesis of esters from olefins and organic acids
3. or the polymerization of certain monomers

Need a mild ethylating agent?



Thinking about manufacturing the new insecticide TEPP (tetraethyl pyrophosphate)?

We will be pleased to send you detailed information and sample quantities of Eastman triethyl phosphate for your evaluation. Write to Tennessee Eastman Company, Division of Eastman Kodak Company, Kingsport, Tennessee.

triethyl phosphate

SALES REPRESENTATIVES: New York—260 Madison Ave.; Framingham, Mass.—7 Hollis St.; Cleveland—Terminal Tower Bldg.; Chicago—360 N. Michigan Ave.; St. Louis—Continental Bldg.; Houston—412 Main St.; West Coast: Wilson Meyer Co., San Francisco—333 Montgomery St.; Los Angeles—4800 District Blvd.; Portland—520 S. W. Sixth Ave.; Seattle—821 Second Ave.

Kerosene—Magnesium Carbonate

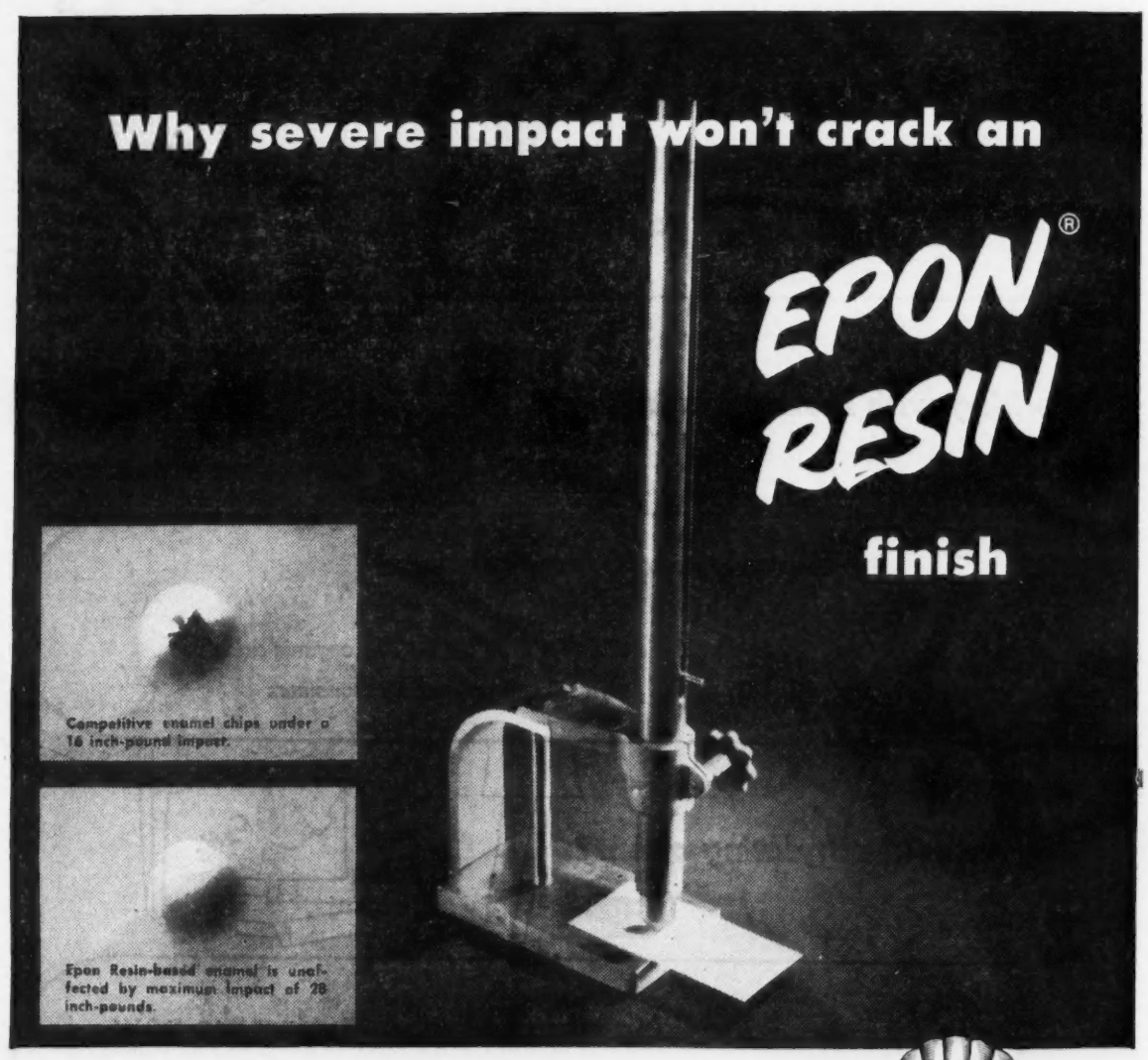
Kerosene, at refinery, Ark., 42-44 specific gravity w.w., tanks	gal.	.0925-	—
California, 40-43 s.g., w.w., tanks	gal.	.126 -	.130
Gulf ports, 41-43 s.g., w.w., tanks	gal.	.0900-	.0925
N. Y. Harnor, 43-44 s.g., w.w., tanks	gal.	.101 -	.102
Okla.-Tex., 41-43 s.g., w.w., tanks	gal.	.090 -	.095
Penn., Western, 45 s.g., w.w., tanks	gal.	.11 -	—
Kola nuts, bgs	lb.	.08 -	.09
Kyanite, imp., 60% alumina, low iron content, 10 mesh, bulk, whse	ton.	95.00	-100.00
calcined, grain, 10-mesh, whse	ton.	95.00	-105.00

L

Lady's slipper root, bls	lb.	1.40 -	1.50
Lanolin, cosmetic, dms., works	lb.	.35 -	.40
USP, anhydrous, dms., works	lb.	.33 -	.38
hydrous, dms., works	lb.	.33 -	.38
Lard, cash, trcs., Chicago	lb.	.12⅛	Nom.
Larkspur seed, bgs	lb.	.20 -	.25
Laurel berries, bgs	lb.	.25 -	.26
Leaves, Greek, bls	lb.	.10 -	.10½
Portuguese, bls	lb.	.09½-	.10
Turkish, bls	lb.	.11 -	.11½
Yugoslavian, bls	lb.	.09 -	.09½
Lauryl chloride, dms., works, frt. equald	lb.	.72 -	—
Methacrylate, normal, dms., less than truckload, works	lb.	1.00 -	—
Lavender flowers, medium, bls	lb.	.55 -	.60
ordinary, bls	lb.	.16 -	.20
select, bls	lb.	.70 -	.80
Lead acetate, white crystals, bbls.	lb.	.24 -	—
gran., bbls	lb.	.25 -	—
powd., bbls	lb.	.25 -	—
NF, cryst., dms	lb.	.32 -	.33
gran., powd., dms	lb.	.32 -	.33
Arsenate, dealers, acid powder, 3-lb. bgs. or larger, c.l., frt. alld. on 96 lbs. or over	lb.	.30 -	—
l.c.l., frt. alld	lb.	.31 -	.32
1-lb. bgs., c.l.	lb.	.45 -	—
l.c.l.	lb.	.46 -	—
Blue, basic sulphate, bbls., c.l., ship't point, frt. alld	lb.	.1575-	—
l.c.l., works	lb.	.1675-	—
Carbonate (see Lead, white).			
Chloride, dms	lb.	.45 -	—
Iodide, NF V, jars	lb.	3.82 -	—
Linoleate, precip., 26.15%, dms.	lb.	.32½-	—
Metal, pigs, prime, N. Y.	lb.	.15 -	—
St. Louis	lb.	.1480-	—
Metallic paste, dms., 20,000-40,000 lbs., works	lb.	.36½-	—
10,000-20,000 lbs., same basis.	lb.	.37 -	—
2,000-10,000 lbs., same basis.	lb.	.37½-	—
200-2,000 lbs., same basis	lb.	.38 -	—
Prices ex whse. Jersey City, N. J. 4½c. per lb. higher.			
Monosilicate, bgs	lb.	.1708-	—
Naphthenate, liquid 16% Pb, dms., dlvd	lb.	.17½-	—
24% Pb, dms., dlvd	lb.	.23¾-	—
solid, 37% Pb, dms., dlvd	lb.	.31 -	—
Nitrate, bbls., c.l.	lb.	.24½-	—
l.c.l.	lb.	.24¾-	—
Oleate, fused, bbls	lb.	.29¾-	—
Orthosilicate gel, 50% PbO, dms., works	lb.	.32¾-	—
60% PbO, dms., works	lb.	.31¾-	—
Peroxide, powd., tech., bbls	lb.	.45 -	.47
Phthalate, dibasic, dms., works	lb.	.42½-	—
Red, 95%, Pb_3O_4, or less, bbls., c.l., ship't point, frt. alld.	lb.	.1775-	—
l.c.l., same basis	lb.	.1875-	—
97%, Pb_3O_4, bbls., c.l., same basis	lb.	.18 -	—
l.c.l., same basis	lb.	.19 -	—
98% Pb_3O_4, bbls., c.l., same basis	lb.	.1825-	—
l.c.l., same basis	lb.	.1925-	—
Resinate, precip., dms., dlvd	lb.	.28½-	—
Salicylate, normal, dms., works.	lb.	.46 -	—
Stearate, dibasic, ton lots	lb.	.56 -	—
precip., bbls., c.l.	lb.	.39 -	—
ton lots	lb.	.40 -	—
less ton lots	lb.	.41 -	—
Sulphate (see Lead, blue; Lead, white; basic sulphate).			
tribasic, dms., works	lb.	29¼-	—
Tallate, liquid, 16% Pb, dms	lb.	.15¼-	—
24% Pb, dms	lb.	.20½-	—
White, basic, carbonate, bgs., c.l., ship't point, frt. alld	lb.	.1690-	—
l.c.l., same basis	lb.	.1790-	—
basic silicate, bgs., c.l., ship't point, frt. alld	lb.	.1535-	.1925
l.c.l., same basis	lb.	.1635-	.2025
basic sulphate, bgs., c.l., ship't point, frt. alld	lb.	.1575-	—
l.c.l., same basis	lb.	.1675-	—
Lecithin, edible, tech., bleached dms., non-ret., c.l., works.	lb.	.16 -	.18
l.c.l., same basis	lb.	.17 -	.19
unbleached, c.l., same basis	lb.	.15 -	.17
l.c.l., same basis	lb.	.16 -	.18
Lemon peel, bls	lb.	.20 -	.26
Leucine dextro-laevo, dms., works	lb.	12.25	-15.00
Licorice extract, mass, cns	lb.	.20¾-	.27
powd., bbls.	lb.	.31 -	.35
Root, bls	lb.	.08 -	.09
5-lb. bundles, cs	lb.	.40 -	.45
powd., bbls.	lb.	.11 -	.12
Lignin extract, tanning grade, bgs., c.l., works	lb.	.05¼-	.06¼
Lime, agricultural, bgs., works	ton.	14.50 -	—
Chemical (quicklime), lump, pebble, bulk, Adams, Mass.	ton.	18.00 -	—
Annville, Pa	ton.	11.50 -	—
Bellefonte, Pa	ton.	11.50 -	—
Buffalo, N. Y.	ton.	14.00 -	—
Carey, Ohio	ton.	7.00 -	—
Cedar Hollow, Pa	ton.	11.50 -	—
Farnams, Mass	ton.	14.00 -	—
Gibsonburg, Ohio	ton.	12.50 -	—
Hannibal, Mo	ton.	12.00 -	—
Keystone, Ala	ton.	10.25 -	—
Kimballton, Va	ton.	10.25 -	—
Knoxville, Tenn	ton.	10.50 -	—
Lewisburg, Ohio	ton.	10.00 -	—
Limedale, Ark	ton.	10.00 -	—
Marble Cliff, Ohio	ton.	10.00 -	—
Martinsburg, W. Va	ton.	11.00 -	—
McNeil, Tex	ton.	9.50 -	—
Mosher, Mo	ton.	10.25 -	—
Redick, Florida	ton.	13.50 -	—
Woodville, Ohio	ton.	11.50 -	—
York, Pa	ton.	11.50 -	—
Hydrated, paper bgs., Adams, Mass	ton.	15.50 -	—
Annville, Pa	ton.	14.50 -	—
Bellefonte, Pa	ton.	14.50 -	—
Buffalo, N. Y	ton.	16.00 -	—
Cedar Hollow, Pa	ton.	14.50 -	—
Chicago, Ill	ton.	12.50 -	—
Engle, W. Va	ton.	14.50 -	—
Farnams, Mass	ton.	14.00 -	—
Gibsonburg, Ohio	ton.	16.50 -	—
Hannibal, Mo	ton.	12.50 -	—
Keystone, Ala	ton.	13.50 -	—
Kimballton, Va	ton.	13.50 -	—
Knoxville, Tenn	ton.	13.00 -	—
Lewisburg, Ohio	ton.	14.00 -	—
Limedale, Ark	ton.	12.00 -	—
Marble Cliff, Ohio	ton.	13.50 -	—
Manistique, Mich	ton.	9.50 -	—
McNeil, Tex	ton.	13.00 -	—
Mosher, Mo	ton.	12.50 -	—
Petoskey, Mich	ton.	10.00 -	—
Redick, Fla	ton.	16.00 -	—
Springfield, Mo	ton.	9.00 -	—
Woodville, Ohio	ton.	14.50 -	—
York, Pa	ton.	14.50 -	—
Spray, paper bgs., Adams, Mass.	ton.	17.00 -	—
Annville, Pa	ton.	17.00 -	—
Bellefonte, Pa	ton.	15.50 -	—
Carey, Ohio	ton.	11.00 -	—
Engle, W. Va	ton.	14.50 -	—
Farnams, Mass	ton.	14.00 -	—
Gibsonburg, Ohio	ton.	16.50 -	—
Keystone, Ala	ton.	13.50 -	—
Kimballton, Va	ton.	13.50 -	—
Kingston, Ala	ton.	13.50 -	—
Lewisburg, Ohio	ton.	16.00 -	—
Marble Cliff, Ohio	ton.	16.00 -	—
McNeil, Tex	ton.	16.00 -	—
Mosher, Mo	ton.	12.50 -	—
Redick, Florida	ton.	16.00 -	—
Rockland, Me	ton.	10.00 -	—
Woodville, Ohio	ton.	16.50 -	—
York, Pa	ton.	15.50 -	—
Lime salts (see Calcium).			
Lime ammonia nitrogen, 20.5% N (see Ammonium nitrate with dolomite).			
Limestone, grd., bgs., works	ton.	3.50 -	4.00
Linalool, ex bois de rose, dms.	lb.	6.30 -	6.55
ex lignaloe wood, dms	lb.	6.75 -	7.10
Linalyl acetate, ex bois de rose, 90-92%, dms.	lb.	6.30 -	6.55
96-98%, dms.	lb.	6.60 -	7.10
ex petitgrain, bots	lb.	5.00 -	6.50
Lindane, 25% formulation, cns., works	lb.	2.70 -	—
dms., works	lb.	2.60 -	—
99%, tech., dms., works	lb.	5.75 -	7.00
Linden flowers with leaves, bls	lb.	.34 -	.38
without leaves, bls	lb.	.45 -	.50
Linseed meal expeller, 36%, bulk, Midwest mills	ton.	71.00	-72.00
extracted, 36%, same basis	ton.	70.00	-71.00
Litharge, com'l, powd., bbls., c.l., ship't point, frt. alld	lb.	.1675-	—
l.c.l., same basis	lb.	.1775-	—
Lithium benzoate, dms	lb.	1.65 -	1.67
Bromide, NF, bbls., works, frt. equald	lb.	1.90 -	2.35
Carbonate, NF, bbls., kgs	lb.	1.05 -	1.15
Chloride, cryst., dms	lb.	.95 -	1.25
Citrate, NF, bbls., dms., kgs	lb.	1.05 -	1.40
Fluoride, bbls	lb.	1.80 -	2.00
Hydride, powd., dms., works	lb.	14.00	-26.00
Hydroxide monohydrate, dms.	lb.	.80 -	1.25
Salicylate, dms	lb.	1.60 -	1.70
Lithopone, ordinary, bgs., c.l., dlvd.	lb.	.079 -	—
l.c.l., dlvd	lb.	.0865-	.0890
titanated (high-strength), bgs., c.l., dlvd.	lb.	.10 -	—
l.c.l., dlvd	lb.	.11 -	—
Lithopone prices, Pacific Coast, 1c. per lb. higher.			
Liverwort leaves, bls	lb.	.70 -	.75
Lobelia herb, bls	lb.	.45 -	.50
Leaves, NF	lb.	.75 -	.76
Lobeline sulphate, bots., works	oz.	33.00	-34.00
Logwood extract, crystals, No. 1, bbls., l.c.l.	lb.	.41 -	—
No. 2, bbls., l.c.l.	lb.	.39 -	—
liquid, No. 1, bbls., l.c.l.	lb.	.20 -	—
No. 2, bbls., l.c.l.	lb.	.19 -	—
No. 3, bbls., l.c.l.	lb.	.18½-	—
solid, No. 1	lb.	.35 -	—
Lovage root, imported, bls.	lb.	.60 -	.65
Lupulin, tins	lb.	1.95 -	2.00
Lycopodium, cs	lb.	1.50 -	1.60
Lysine hydrochloride, dextro-laevo, bots.	kilo	145.00	-149.00

M

Mace, Siauw, No. 1, bls	lb.	.84 -	.85
West Indian, cs., afloat	lb.	.84 -	.85
broken, cs	lb.	.70 -	.71
Magnesia, calcined, tech., ctns., works	lb.	.32 -	.34¾
synth., rubber grade, ctns., works	lb.	.31 -	—
USP, light, ctns	lb.	.34 -	.36
heavy, bbls.	lb.	.36 -	.38
Magnesite, chemical grade, bgs., c.l., works, frt. equald	ton.	72.50 -	—
dead-burnt, bulk, c.l., standard grain, Chewalah, Wash.	ton.	36.30 -	—
Magnesium bromide, jars	lb.	.90 -	1.00
Carbonate, tech., bgs., c.l., frt. equald	lb.	.09½-	—
l.c.l., frt. alld	lb.	.10½-	—
bbls., c.l., frt. equald	lb.	.10¾-	—
l.c.l., frt. alld	lb.	.11¾-	—
kgs c.l., frt. equald	lb.	.12 -	—
l.c.l., frt. alld	lb.	.13 -	—
USP, bgs., c.l., frt. equald	lb.	.11¼-	—
l.c.l., frt. alld	lb.	.12¼-	—


Why severe impact won't crack an
EPON® RESIN
finish
Competitive enamel chips under a 16 inch-pound impact.
Epon Resin-based enamel is unaffected by maximum impact of 28 inch-pounds.

THE SETUP: An impact tester which permits a falling 2-lb. weight to dent an enameled test panel. A variety of metal panels, including aluminum, was used—but the result was always the same.

The Result: Competitive enamels flaked and chipped off. *Epon Resin-based* enamels adhered to the metal without the slightest trace of failure. In fact, the Epon Resin finish successfully withstood a maximum impact of 28 inch-pounds, while conventional finishes failed at 16 inch-pounds or less.

The Reason: The Epon Resin molecule is an entirely new class of polymer with evenly spaced reactive groups which permit it to cure to a flexible film. Also, its polar nature contributes outstanding adhesion. As a plus value, Epon Resins have excellent resistance to detergents, caustic and many acids.

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Magnesium carbonate, USP bbls., c.l., frt. equald ..... lb. .11¾- —
l.c.l., frt. alld ..... lb. .12¾- —
kgs., c.l., frt. equald ..... lb. .13 - —
l.c.l., frt. alld ..... lb. .14 - —

Magnesium carbonate is quoted frt. alld. to N. J. except to Atlantic, Burlington, Cape May, Cumberland, Glostershire, Ocean and Salem counties, and to Phila county, Pa. Frt equald with N. Y. C. on all other destinations.

Chloride, anhyd., lump, 95-98%, dms., c.l., works, frt. equald lb. .12¾- —
l.c.l., same basis lb. .14 - .15
powd., bbls., works ..... ton.50.00 - —
hydrous, flake, dms., l.c.l., works ton.49.00 -51.00
Gluconate, dms., cns ..... lb. 1.30 - 1.37
Glycerophosphate, dms., works lb. 5.10 - 5.20
Hydroxide, NF, medicinals, bbls., dms., kgs. lb. .26½- .30
Hypophosphite, dms ..... lb. 1.60 - —
Laurate, bbls. ..... lb. .46 - .47
Metal, 99.8% ingots, cs., works, lb. .24½- —
sticks, cs., works, frt. alld. on carlots lb. .42 - .44
Oleate, fused bbls ..... lb. .31 - —
Oxide (see Magnesia calcined).
Peroxide, 15%, dms., works ... lb. 1.00 - 1.05
Phosphate, tribasic, NF, bbls. lb. .75 - —
Silicate (see Talc).
Silicofluoride, bbls., works ..... lb. .12 - .14
Sulphate (see Epsom salt).
Stearate, ctns., c.l. ..... lb. .38 - —
ton lots ..... lb. .39 - —
less ton lots ..... lb. .40 - —
Trisilicate, USP, dms., 5,000-lb. lots lb. .43 - .45
1,000-lb. lots ..... lb. .45 - .47
100-lb. lots ..... lb. .48 - .50

Bulky and super grades of magnesium trisilicate, 7c. per lb. higher.

Maleic anhydride dms., c.l., dlvd. E. of Rockies lb. .37 - —
l.c.l., dlvd. E. of Rockies . lb. .38 - —

Prices on maleic anhydride W. of Rockies, 1½c. higher.

Malva flowers, black, bls ..... lb. .90 - 1.10
blue, bls ..... lb. 1.65 - 2.00
Leaves, bls ..... lb. .35 - .38
Mandrake root, bls ..... lb. .43 - .45
Manganese acetate, bbls ..... lb. .32½- —
Arsenate, bgs ..... lb. .16 - —
Borate, tech., bbls ..... lb. .24 - .28½
Carbonate bbls., works ..... lb. .21 - —
Chloride anhyd., dms., works lb. .20 - .22
Dioxide, African, battery, 84-87%, bgs., 100-ton lots, works ton.78.00 - —
smaller lots, works ton.84.00 -94.00
Gluconate, dms., cns ..... lb. 1.86 - 1.93
Glycerophosphate, NF, fib. dms lb. 4.70 - 4.80
Hydrate, bbls., works ..... lb. .34 - —
Hypophosphite, NF, dms ..... lb. 2.00 - —
Linoleate, liquid, 4.35% Mn., dms. ..... lb. .30½- —
solid, precip., 8.2% Mn., bbls lb. .33½- —
Metal, cs., dlvd. East ..... lb. .30 - .32
Naphthenate, liquid 6% Mn., dms., frt. alld lb. .25 - —
Oleate, precip., bbls ..... lb. .33½- —
Resinate, fused, 3½% Mn., dms lb. .21¾- —
precip., dms ..... lb. .24½- —
Stearate, ctns., c.l. ..... lb. .38 - —
ton lots ..... lb. .39 - —
less ton lots ..... lb. .40 - —
Sulphate, fertilizer grade, 65%, bgs., c.l., dlvd. S. E. ton.75.50 - —
l.c.l., dlvd., S. E .. ton.82.50 - —
feed grade, 75%, bgs., c.l., dlvd. S.E. ton.87.50 - —
l.c.l., dlvd. S. E ... ton.94.50 - —
Tallate, 6%, dms ..... lb. .21¾- —
Mangrove bark, E. Africa, 38% tannin, c.l., ex dock ton.78.00 - —
So. American, 30% tannin, c.l., ex dock ton.53.00 -55.00
Manna, flake, large, cs ..... lb. 1.25 - 1.30
small, cs ..... lb. .80 - .95
Mannitol, com'l, dms., works .... lb. .40 - .43
reagent, 50-lb. dms., works .... lb. .85 - —
Marjoram, Argentine, bls ..... lb. No stocks.
Bohemian, bls ..... lb. .21 - .22
Chilean, bls ..... lb. .21 - .21½
French, bls ..... lb. .24 - .25
Peruvian, bls ..... lb. .22 Nom.
Matico leaves, bls ..... lb. .25 - .35
Melamine, bgs., ton lots, works .. lb. .33 - —
500 to 2,000-lb. lots, works ... lb. .33½- —
less 500 lbs., works ..... lb. .38½- —
Menadione, USP, bots ..... gram. .06 - .06½
Menthol, natural, USP, Brazilian, cs lb. 6.50 Nom.
Chinese, cs. ..... lb. 7.50 Nom.
synthetic, USP, racemic, cns .. lb. 6.80 - —
Menthyl salicylate, tins ..... lb. 4.00 - 4.25
Mercaptobenzothiazole, bgs., fib. dms., ton lots, works, frt. alld lb. .34 - —
less ton lots, same basis lb. .36 - —
Mercaptobenzothiazyl disulphide, bgs., fib. dms., ton lots, works, frt. alld .. lb. .42 - —
less ton lots, same basis .... lb. .44 - —
Mercury, ammoniated (see White precipitated).
Bichloride (see Corrosive sublimate).
Chloride (see Calomel).
Cyanide, NF VIII, powd., fib. dms. lb. 5.29 - —
Iodide, red, NF, fib. dms ..... lb. 6.22 - —
yellow, NF, fib. dms ..... lb. 6.47 - —
Metal (see Quicksilver).
Oxide, red, NF (see Red precipitate).
tech. (see Red, mercury oxide).
yellow, tech. (see Yellow, mercury oxide).
USP, fib. dms ..... lb. 4.64 - —
Mesityl oxide, dms., c.l., dlvd .... lb. .13¼- .14¼
l.c.l., dlvd ..... lb. .14 - .15
tanks, dlvd ..... lb. .11½- .12½
Metaldehyde, dms., works ..... lb. .95 - 1.25
Metachloraniiin, dms., works ... lb. .50 - —
Metacresol, 98%, dms., c.l., works lb. .73½- —
l.c.l., works ..... lb. .74½- —
Metanitroanilin, dms., frt. alld .. lb. 1.05 - —
Metanitroparatoluidin, bbls ..... lb. 1.54 - —
Metaphenylenediamine, kgs., frt. alld. lb. .90 - —
Metatoluidine, bbls., c.l., works, frt. alld lb. .78 - —
l.c.l., same basis ..... lb. .80 - —
tankcars, same basis ..... lb. .76 - —
Metatolylenediamine, fib. dms., frt. alld lb. .94 - 1.00
Methanol, natural, denaturing grade, dms., c.l., frt. alld gal. .78 - —
l.c.l., frt alld ..... gal. .79 - —
tanks, frt alld ..... gal. .70 - —
Prices on natural methanol W. of Miss., 3c. higher.
synthetic Zone 1, dms., c.l., frt. alld .. gal. .44 - .45½
l.c.l., frt. alld ..... gal. .49 - .50½
tanks, frt. alld ..... gal. .32 - .33½
Zone 2, dms., c.l., frt. alld .. gal. .49½- —
l.c.l., ex whse ..... gal. .51 - .55
tanks, frt. alld ..... gal. .35½- —

Synthetic methanol zones are:—Zone 1 is all continental U. S., E. of eastern boundaries of Ariz., Idaho and Utah. Zone 2 is remainder of the U. S. west of above state boundaries, comprising Ariz., Calif., Idaho, Nev., Ore., Utah and Wash.

Methenamine (see Hexamethylenetetramine)

Methionine, dextro-laevo, fib. dms., frt. alld. 50-lb. or more lb. 4.55 - —
feed grade, 98%, fib., dms., same basis lb. 3.00 - —
97%, fib. dms., same basis lb. 2.97 - —
Methoxychlor, 50% wettable powder, dealers, dms., cs., frt. alld lb. .61 - .64
Methyl abietate, non-ret. dms., c.l., dlvd., zone 1 lb. .19½- —
l.c.l., same basis ..... lb. .20 - —
hydrogenated non-ret. dms., c.l., dlvd. zone 1 lb. .20 - —
l.c.l., same basis ..... lb. .20½- —

Zone 1 includes New England and Middle Atlantic states, Va., W. Va., N. C., Ohio, Ky., Mich., Ind., Ill., Wis., St. Paul and Minneapolis, Minn.; St. Louis, Mo.; Miss., Ala., Ga., Fla., S. C. and Tenn.

Acetone, natural, dms., c.l., E. of Miss., frt. alld gal. .57 - —
l.c.l., same basis ..... gal. .68 - —
tanks, same basis ..... gal. .45 - —
synthetic, dms., c.l., dlvd. E. gal. .66½- —
l.c.l., dlvd. E ..... gal. .72¼- —
tanks, dlvd. E ..... gal. .54½- —

Synthetic methyl acetone East territory is all States East of and including Colo., Mont., N. Mex. and Wyo. West territory is all States West of those four.

Acrylate, dms., c.l., and truckload, works lb. .50 - —
less than truckload works lb. .50½- —
tanks, works ..... lb. .49 - —
Alcohol (see Methanol).
Anthranilate, cns. ..... lb. 2.35 - 2.40
extra, cns ..... lb. 2.65 - 4.40
Benzoate, cns., dms ..... lb. .53 - .59
Bromide, jobbers, cyls., various sizes, works lb. .47 - .61
Chloride, indust., cyl., works lb. .18 - —
tanks, multi-unit works ... lb. .14 - —
single-unit, works ..... lb. .11½- —
refrigerator mfrs., cyls., dlvd. lb. .39 - .48
other consumers or service men, cyls. dlvd lb. .436 - —
Cinnamate, cns ..... lb. 1.43 - 1.80
Cyclohexanol, dms., c.l., works lb. .34½- —
l.c.l., works ..... lb. .35 - —
tanks, works ..... lb. .33 - —
Formate refd., dms ..... lb. .33 - .40
tech., non-ret. dms., any quantity, works lb. .08 - —
tanks, works ..... lb. .07 - —
Iodide, bots., works ..... lb. 4.00 - —
cbys., works ..... lb. 3.50 - —
Lactate, dms., l.c.l., works ... lb. .35 - —
Methacrylate, dms., c.l., and truckload, works lb. .36½- —
less than truckload, works lb. .37 - —
tanks, works ..... lb. .35 - —
Parahydroxybenzoate, USP, bots. lb. 2.10 - 2.20
fib. dms. ..... lb. 1.90 - 2.00
Roseanilin chloride, NF, fib. dms. lb. 5.40 - —
Salicylate, USP, dms., 500 lbs lb. .50 - —
cns., 50 lbs. ..... lb. .55 - —
Testosterone, USP, 100 gms gm. 1.75 - —
Methylal, refined, 95%, dms., c.l., works lb. .11 - —
l.c.l., works ..... lb. .12 - —
tanks, works ..... lb. .09 - —
Methylamyl acetate, dms., c.l., dlvd. E ..... lb. .16¾- —
l.c.l., dlvd. E ..... lb. .17¾- —
tanks, dlvd. E ..... lb. .15 - —
Ketone, dms., works ..... lb. 1.05 - —
Methylcellulose, special, vis., (1,500-4,000 cps.) 50-lb. bgs., c.l., works lb. .78 - —
2,000 lbs., and more, same basis lb. .80 - —
smaller lots, frt. alld. on 100 lbs. .85 - .97
standard vis., (15-400 cps.), 50-lb. bgs., c.l., frt. alld lb. .66 - —
2,000 lbs. and more, same basis lb. .68 - —
smaller lots, frt. alld. on 100 lbs lb. .72 - .85
Methylene blue, 100-lb. lots, kgs., frt. adjusted lb. 3.25 - 3.60
smaller lots, kgs., same basis lb. 3.40 - 3.60
Chloride, industrial, dms., c.l., dlvd. E lb. .13½- —
Methylethylketone, dms., c.l., dlvd. lb. .12¾- .13¾
l.c.l., dlvd. ..... lb. .13½- .14½
tanks, dlvd. ..... lb. .11 - .12
Methylethylpyridin, dms., c.l., works. lb. .47½- —
l.c.l. works ..... lb. .48 - —
tanks, works ..... lb 46 - —
Methylheptin, carbonate, bots ... lb.35.00 -45.00
Methylionone, A, cns ..... lb 6.55 - 8.80
D, cns. ..... lb 7.50 - 9.55
prime, cns. ..... lb. 4.55 6.40
Methylisobutyl carbinol (See Carbinol methylisobutyl).
Ketone, dms., c.l., dlvd ..... lb. .14¾- —
l.c.l., dlvd. ..... lb. .15½- —
tanks, dlvd. ..... lb. .13 - —
Methylnaphthyl, ketone, cans ... lb. 3.00 - 3.75
Methylparaben (see Methyl parahydroxybenzoate).
Methylpentanediol (see Hexyleneglycol).

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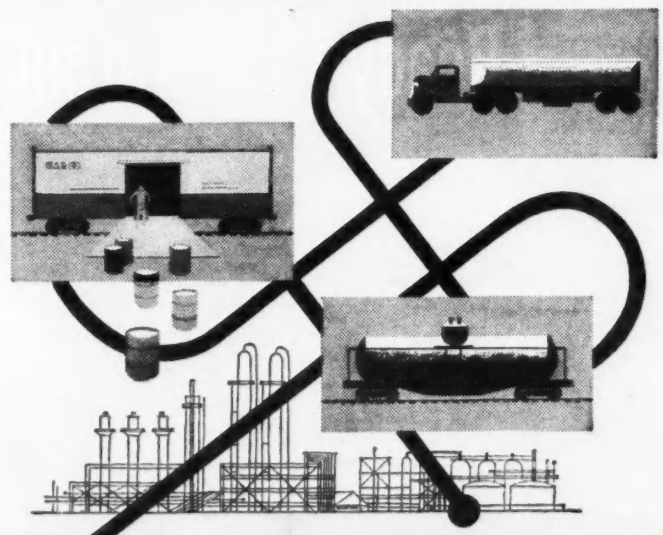

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PHTHALIC ANHYDRIDE,
SODIUM SULFATE,
SODIUM SULFITE,
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Methylphenylpyrazlone—Oil, Bergamot

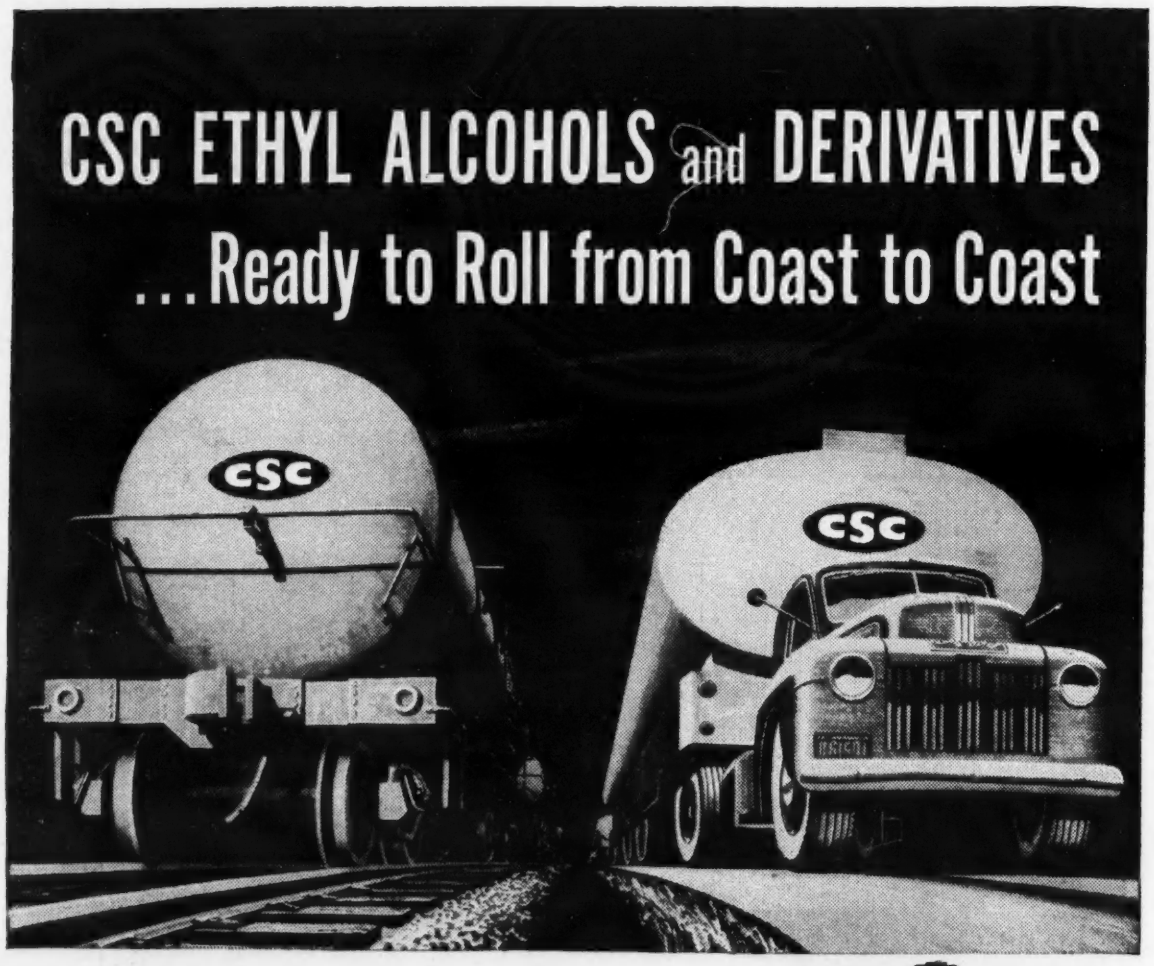
Methylphenylpyrazolone, 250-lb. dms., dlvd. lb. 1.60 - 1.70
less than 250 lbs., dms., dlvd. lb. 1.80 - 1.90
Methylthionine chloride (see Methylene blue).
Mica, dry-grd., paint, plastic, 100 mesh, bgs., c.l., works lb. .04½- —
roofing, 20 to 80 mesh, works lb. .03½- —
wet-grd., biotite, bgs., c.l., works, frt. alld., E lb. .05¾- —
l.c.l., ex whse. or frt. alld. E lb. .06½- —
extra fine, bgs., c.l., works, frt. alld., E lb. .05¾- —
l.c.l., ex whse. or frt. alld. E lb. .06½- —
paint or lacq., bgs., c.l., works, frt. alld., E lb. .07¼- —
l.c.l., ex whse. or frt. alld. E lb. .08 - —
rubber, bgs., c.l., works, frt. alld. E lb. .07 - —
l.c.l., ex whse. or frt. alld. E lb. .07¾- —
wallpaper, bgs., c.l., works, frt. alld. E lb. .07¼- —
l.c.l., ex whse. or frt. alld. E lb. .08 - —
white, extra, fine, bgs., c.l., works, frt. alld. E lb. .07¼- —
l.c.l., ex whse. or frt. alld. E lb. .08 - —
Mica, wet-grd., W. of Miss. R., ½c. higher. W. of Rockies, 1c. higher.
Milk powder, skimmed, roller, bbls., c.l. lb. .15 - .18¾
spray, bbls., c.l. lb. .1735- .1975
whole, roller, bbls., c.l. lb. No prices.
spray, bbls., c.l. lb. .37 - .44¼
Milk sugar, crude, bgs., c.l., works, lb. .18 - —
edible, bgs., works, 30,000-lb. lots lb. .24 - —
2,000-lb. lots lb. .24¾- —
200-1,800-lb. lots lb. .25¼- —
Edible milk sugar in fib. dms., 1c. higher.
USP, fib. dms., 30,000-lb. lots, works lb. .29 - —
2,000-lb. lots, works lb. .29¾- —
200-1,800-lb. lots, works lb. .30¼- —
USP milk sugar in bgs., 1c lower.
Mineral spirits (see Petroleum mineral spirits).
Molasses, blackstrap, feed grade, tanks, New Orleans gal. .21 - .22
New York lb. .23 - .24
Molybdenum metal, 90% Mo, powd., kgs lb. 3.00 Nom.
Trioxide, pure, kgs., works, basis Mo. content lb. 1.35 - —
technical, kgs., works, basis Mo. content lb. 1.13 - 1.14
Monochlorobenzene, dms., c.l., frt. alld. or dlvd. E. lb. .10½- .11½
l.c.l., same basis lb. .11½- .12½
tanks, same basis lb. .09 - .10
Monochlorobenzene prices in the West, 1¾c. higher.
Monoethanolamine, dms., c.l., frt. alld. E lb. .29¾- —
l.c.l., same basis lb. .30¾- —
tanks, same basis lb. .28 - —
Monoethylalphanaphthylamine, dms., works lb. .88 - —
Monoethylamine, 70% contained amine, dms., c.l., dlvd. lb. .32 - —
l.c.l., dlvd lb. .33 - —
tanks, dlvd lb. .30¼- —
Monoethylanilin, dms., c.l., frt. alld. lb. .51 - .57
l.c.l., frt. alld lb. .52 - .58
tanks, frt. alld lb. .50 - .56
Monoethylorthotoluidin, bbls. lb. .80 - —
Monoisopropylamine, dms., c.l., dlvd. lb. .29½- —
l.c.l., same basis lb. .29¼- .30½
tanks, same basis lb. .28½- —
Monomethylamine, 25%-40%, dms., c.l., works, basis 100% lb. .35 - —
l.c.l., same basis lb. .35½- .36
tanks, same basis lb. .31 - —
Monosodium fluoroacetate (see Sodium fluoroacetate monobasic).
Glutamate (see Sodium glutamate, monobasic.
Phosphate (see Sodium phosphate monobasic).
Mono-tertiary-butylmetacresol, dms., c.l., works lb. .49 - —
l.c.l., works lb. .50 - —
tanks, works lb. .48 - —
Morphine, cns. oz. 12.40 -12.60
Acetate, anhyd., cns oz. 9.95 -10.00
Hydrobromide, cns oz. 9.90 - 9.95
Hydrochloride, NF, cns oz. 9.90 - 9.95
Sulphate, USP, cns oz. 9.90 -10.05
Morpholine, dms., c.l., dlvd. E lb. .60¾- —
l.c.l., dlvd. E lb. .61¾- —
tanks, dlvd. E lb. .59 - —
Mullein flowers, cs lb. 1.15 - 1.20
Leaves, bls. lb. .21 - .25
Musk, natural, Tonquin grains, bots. oz. 40.00 -55.00
synthetic, ambrette, 100 lbs., fib. dms. lb. 5.60 - —
25 lbs., cns lb. 5.70 - —
5 lbs., cns lb. 5.85 - —
ketone, 100 lbs., fib. dms lb. 5.35 - —
25 lbs., cns lb. 5.45 - —
5 lbs., cns lb. 5.60 - —
Musk, synth., xylol, 100 lbs., fib. dms. lb. 1.60 - 1.75
25 lbs., cns lb. 1.65 - 1.78
5 lbs., cns lb. 1.80 - 1.90
Musk root, bls lb. 1.60 - 1.65
Mustard seed, Calif. brown bgs., f.o.b. source lb. .12 - —
Danish, yellow, bgs lb. .11 - .11½
Dutch, yellow, bgs lb. .09 - .11½
English, yellow, bgs lb. .13½- .15
German, yellow, bgs lb. .17 - .17½
Montana, brown, bgs., f.o.b. source, Sept.-Oct. shipment lb. .0665- —
oriental, bgs., source, Sept.-Oct. shipment lb. .0665- —
yellow, bgs., source, Sept.-Oct. shipment lb. .0965- —
Myrobalans, J1, bgs., ex dock ton. 46.00 - —
assorted, ex dock ton. 48.50 - —
crushed, bgs., ex dock ton. 65.00 -66.00
J2, bgs., ex dock ton. No prices.

N

Naphtha, painters (see Petroleum naphtha V. M. & P.).
Solvent (see S).
Naphthalene, dom., crude, 74°, tanks, frt. equald. lb. .0625- .0700
78°, dms., c.l., same basis lb. .0765- .0840
l.c.l., same basis lb. .0790- .0865
tanks, same basis lb. .0675- .0750
refined, industrial, bbls., c.l., frt. equald. lb. .11¾- —
bgs., c.l., same basis lb. .11¼- —
tanks, same basis lb. .10¾- —
balls, flakes, wholesalers, jobbers, bbls., c.l., same basis, lb. .14½- —
cs., 50 lbs., c.l., same basis lb. .14¾- —
1-lb. pkgs., c.l., same basis lb. .17 - —
imported, crude, 78° large lots, lb. .06 - .06¼
Neocinchophen, USP, dms., frt. adjusted lb. 7.00 - 8.00
Neomycin, fib. dms., 100-kilo lots gm. .90 - —
1-kilo lots gm. 1.50 - —
Nephelin syenite, glass, 24 mesh, bulk, Rochester, N. Y. ton. 14.25 - —
pottery, 200 mesh, bulk, Rochester, N. Y. ton. 18.25 - —
Nephelin syenite in bgs., $3 per ton higher than bulk.
Nerolin, cns. lb. 2.25 - 2.65
Niacin (see Acid nicotinic).
Niacinamide (see Nicotinamide).
Nickel, acetate, bbls., dlvd. lb. .60 - .60½
Carbonate, bbls., dlvd. lb. .66¼- —
Chloride, bbls., dlvd. lb. .34½- —
Cyanide, bots., dms. lb. 2.75 - 4.50
Formate, bbls., ton lots, frt. alld. lb. .58½- .59½
Metal, electro cathodes, cs., works lb. .56½- —
Nitrate, bbls., works lb. .33½- —
Oxide, black, bbls. lb. .63¼- —
Sulphate, bgs., c.l., dlvd. lb. .26¼- —
l.c.l., dlvd. lb. .26¾- —
Nicotinamide, USP, dms., frt. adjusted kilo. 12.00 -12.30
Hydrochloride, dms., frt. adjusted kilo. 11.50 -11.80
Nicotine sulphate, 40%, 50-lb. dms., dealers, frt. alld. over 70 lbs. gm. 49.40 - —
10-lb. tins, dealers, frt. alld. on cases of 6 tin. 10.85 - —
Nikethamide, cbys. lb. 7.50 - 8.00
Nitrobenzene, dbl. dist., dms., c.l., frt. alld. lb. .10½- .11½
l.c.l., frt. alld. lb. .11½- .12½
tanks, frt. alld. lb. .09½- .10½
Nitrocellulose, ester-soluble, 30-35 cps., ¼, ½, ¾, 5-6, 15-20, 30-40, 60-80, 125-175, secs., bbls., c.l., works lb. .33 - —
l.c.l., same basis lb. .34 - .36
18-25 cps., bbls., c.l. lb. .35 - —
l.c.l., same basis lb. .36 - .38
250-400, 600-1,000 secs., bls., c.l., same basis lb. .42 - —
l.c.l., same basis lb. .43 - .45
spirit-soluble, 30-35 cps., ¼, ½ sec., bbls., c.l., same basis, lb. .45 - —
l.c.l., same basis lb. .46 - .48
5-6, 40-60 secs., bbls., c.l., same basis lb. .44 - —
l.c.l., same basis lb. .45 - .47
Denatured alcohol used in the manufacture of nitrocellulose is charged extra. Drums extra but returnable.
Nitroethane, dms., dlvd. E. of Rockies. lb. .25 - —
Nitrogen solution, tanks, works, N. ton. 120.00 - —
Nitrogenous process tankage, bulk, works unit-ton. 5.00 Nom.
Sewage sludge, bulk, works unit-ton. 3.25 + .40
Nitromethane, dms., l.c.l., dlvd. E. of Rockies lb. .25 - —
Nitropropane 1, dms., dlvd. E. of Rockies lb. .23¼- —
2, dms., dlvd. E. of Rockies lb. .25 - —
Nonylphenol, dms., c.l., works lb. .33¼- —
l.c.l., works lb. .33¾- —
tanks, works lb. .32¼- —
Nutgalls, Aleppo, bgs lb. .36 - —
Chinese, bgs lb. .32 - —
Istrian, bgs lb. .31 - —
Nutmeg, East Indian, cs lb. .31 - .32
splits, bgs lb. .30 - .31
West Indian, bgs lb. .28 - .29
Nux vomica, bls lb. .10 - .12
powdered, bbls., bxs lb. .13 - .14

O

Octane, 100°-140°C., industrial grade, group 3, dms., c.l. gal. .19 - —
l.c.l. gal. .21 - .60
tanks gal. .15½- —
10°C., b.r., Bayonne, N. J., tanks, gal. .18 - —
Octanol, normal, tech., dms., c.l., dlvd. lb. .419 - —
l.c.l., dlvd. lb. .439 - —
tanks, dlvd. lb. .394 - —
Octyl methacrylate, normal, dms., less than truckload, works. lb. .83 - —
Oil, abies siberica, cns. lb. 3.35 - 4.25
Almond, artificial, bitter (see Benzaldehyde).
natural, bitter, F.P.A., bots. lb. 2.95 - 4.75
NF, bots. lb. 2.85 - 3.75
sweet, USP, dms., cns. lb. .55 - .90
Allspice (see Oil, pimento).
Amyris, dms. lb. 1.85 - 2.20
Angelina root, bots. lb. 110.00-115.00
seed, bots lb. 90.00 -100.00
Anilin (see A).
Anise, USP, Chinese, dms. lb. 1.90 - 2.35
Apricot kernel, USP, dms. lb. .48 - .70
Avocado, cns., dms lb. No prices.
Babassu, crude, tanks lb. No stocks
Bay, NF, Puerto Rican, 50-55%, cns. lb. 1.55 - 1.90
55-60%, cns lb. 1.65 - 2.10
West Indian, 50-55%, cns., dms. lb. 1.55 - 2.10
Bergamot, artif., cns lb. 2.90 - 5.25
natural, NF, Italian, cns. lb. 15.75 -16.50



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Tributyl Phosphate	Pentaerythritol
Methanol	Acetone
Ammonia	Methylamines

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COMMERCIAL SOLVENTS CORPORATION
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Oil, birchtar, crude, cns.....lb. 1.35 - —
rectified, NF, cns.....lb. 2.50 - —
Bois de rose, Brazil, dms.....lb. 4.20 - 4.70
Mexican (see Oil, lignaloe wood).
Bone, dms., works.....lb. .65 - .70
Cajeput, redist., USP, cns.....lb. 2.45 - 2.70
tech., dms.....lb. 2.10 - 2.60
Calamus, cns.....lb.20.00 -28.00
Camphor sassafrassy, dms.....lb. .26 - .42
white, dms.....lb. .26 - .50
Cananga, native, cns.....lb. 9.00 - 9.75
rectified, cns.....lb.11.50 -12.50
Capsicum (see Capsicum oleoresin).
Caraway, NF, cns.....lb. 4.00 - 4.75
Cardamom, NF, bots.....lb.45.00 -65.00
Cassia, USP, cns., dms.....lb. 4.95 - 6.25
Castor, blown, dms., c.l.....lb. .3200- —
l.c.l.....lb. .3250- —
dehydrated, bodied, dms., c.l., lb. .3510- —
l.c.l.....lb. .3560- —
tanks.....lb. .3410- —
unbodied, dms., c.l.....lb. .3360- —
l.c.l.....lb. .3410- —
tanks.....lb. .3260- —
hydrogenated, bgs.....lb. .3725- .3775
No. 1, Brazilian, tanks.....lb. .26 - .26¼
USP, dms., c.l.....lb. .3000- —
l.c.l.....lb. .3050- —
tanks.....lb. .2900- —
refined and deodorized, dms., c.l.....lb. .3150- —
l.c.l.....lb. .3200- —
tanks.....lb. .3050- —
No. 3, tech., dms., c.l.....lb. .2975- —
l.c.l.....lb. .3025- —
tanks.....lb. .2875- —
sulphonated, 50% (48% fat), dms., l.c.l.....lb. .17 - .17½
75% (60-62% fat), dms., l.c.l. lb. .24 - .24½
Cedarleaf, cns., dms.....lb. 2.25 - 3.50
Cedarwood, cns., dms.....lb. .55 - .65
Celeryseed, bots.....lb.16.50 -21.00
Chamomile, blue, Hungarian, bots. lb.275.00 -280.00
Chaulmoogra, NF, cns., dms..lb. .55 - .70
Chinawood (see Oil, tung).
Cinnamon bark, USP, bots....lb.25.00 -60.00
leaf, Ceylon, bots.....lb. 2.25 - 3.25
Citronella, Ceylon, cns., dms..lb. .80 - 1.10
Java, true, cns.....lb. 1.10 - 1.90
Java type, cns.....lb. .60 - 1.10
Clove, USP, from buds, cns., dms..lb. 5.00 - 5.85
Coconut, crude, tanks, Atlantic ports..lb. .09¾- —
Pac. coast.....lb. .08½- —
refined, Cochin type, tax incl., ret. dms., l.c.l..lb. .16½- —
deodorized, tax incl., non-ret. dms., l.c.l..lb. .18 - —
Cod, Newfoundland, dms.....lb. .11 - .11¼
Codliver, USP, dms.....lb. 1.55 - 1.65
Copaiba, cns.....lb. 2.40 - 3.00
Coriander, USP, bots.....lb.23.50 -28.50
Corn, crude, tanks, works.....lb. .13 - —
foots (soapstock), acid, 95%, tanks, N. Y. lb. .03¾ Nom.
raw, 50%, tanks, same basis. lb. .01¼ Nom.
refined, dms.....lb. .17½- .17¾
tanks.....lb. .16 - —
Cottonseed, crude, tanks, South-East..lb. .12½ Nom.
Valley.....lb. .12½ Nom.
Texas.....lb. .12¼ Nom.
foots (soapstock), acid, 95%, tanks, N. Y. lb. .03 - —
raw, 50%, tanks, same basis. lb. .01¼- —
salad, dms.....lb. .17¼- .17¾
tanks.....lb. .16 - —
Creosote (see Creosote, coaltar).
Croton, cns.....lb. 4.30 - 5.50
Crude (see Petroleum, crude).
Cubeb, cns.....lb. 5.50 - 6.75
Cumin, bots.....lb. 5.00 - 6.00
Cypress, bots.....lb. No stocks.
Degras (see D).
Dillseed, India, bots.....lb. 3.55 - —
Dillweed, domestic, bots., dms lb. 3.75 - 4.00
Dip (see D).
Erigeron, cns.....lb. 6.50 - 7.50
Eucalyptus, NF, rectified, 80-85%, dms..lb. 1.10 - 1.50
70-75%, dms.....lb. 1.00 - 1.40
Fennel, USP, cns.....lb. 3.40 - —
Fir, Canada, cns.....lb. 2.85 - 3.40
Fish, refined, alkali, dms.....lb. .1410- —
kettle-bodied, dms.....lb. .1610- —
light-pressed, dms.....lb. .1260- —
tanks.....lb. .1100- —
Fishliver, crude, for feeds for concentrating, 4,000 to 12,000 A units per gm., dms., 1,000,000 units. .12 - .13½
10,000 to 20,000 A units per gm., dms 1,000,000 units. .12 - .12½
25,000 to 35,000 A units per gm., dms 1,000,000 units. .12 - .12½
40,000 to 55,000 A units per gm., dms 1,000,000 units. .12 - .13
prime, nat. or conc., 100,000 A units per gm., dms, 1,000,000 units. .13 - —
200,000 A units per gm., dms, 1,000,000 units. .15 - —
300,000 A units per gm., dms, 1,000,000 units. .15 - —
400,000 A units per gm., dms, 1,000,000 units. .15 - —
500,000 A units per gm., dms, 1,000,000 units. .15 - —

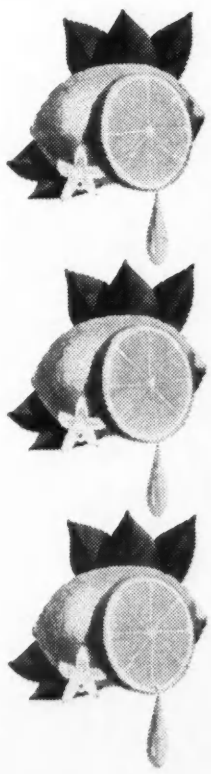
Prices above are based on the USP XIV method of conversion, Morton-Stubbs Corrected E x 1900.

Fusel (see F).
Garlic, pure, bots.....oz. 6.50 - 8.00
Gaultheria (see Oil, wintergreen).
Geranium, Algerian, cns.....lb.15.50 -26.00
Bourbon, cns.....lb.15.00 -24.00
Turkish (see Oil, palmarosa).
Ginger, dist., bots.....lb.15.00 -20.00
Grapefruit, dms.....lb. 2.25 - 2.60
Grease, No. 1, dms.....lb. .10½- .12¼
extra, winter, strained, dms..lb. .13 - .13½
prime, burning, dms.....lb. .13½- .15
Guaiacwood, cns.....lb. 1.80 - 2.10
Hemlock, cns.....lb. 2.20 - 3.15
Juniper berry, NF, VIII, bots..lb. 2.75 - 4.00
twice rectified, bots.....lb. 3.60 - 7.00
Tar, NF (see Juniper tar).
Wood, tech., cns.....lb. .85 - 1.00
Lard (see Oil, grease).
Laurel, dms., cns.....lb. 9.75 12.50
Lavandin, dms., cns.....lb. 2.80 - 4.50
Lavender, flower, USP, French, 30-32% ester, cns.....lb. 4.10 - 5.45
38-40% ester, cns.....lb. 4.75 - 6.75
40-42% ester, cns.....lb. 5.75 - 8.50
Spike, Spanish, cns.....lb. 1.55 - 2.25
Lemon, USP, Calif., cns., dms..lb. 5.85 - 6.00
Messina, cns.....lb. 5.65 - 6.20
Lemongrass, cns., dms.....lb. 1.60 - 2.00
Lignaloe wood, Mexican, cns..lb. 4.35 - 4.80
Lime, distilled, Mexican, cns..lb. 7.35 - 8.25
West Indian, cns.....lb. 7.50 - 8.50
expressed, West Indian, cns..lb. 7.35 - 9.50
terpeneless, bots.....lb.45.00 -65.00
Linseed, raw, dms., c.l., N.Y..lb. .1845- —
l.c.l.....lb. .1905- .1945
tankcars, f.o.b. Minneapolis lb. .1550- .1570
New York.....lb. .1675- .1695
tankwagon, N. Y.....lb. .1705- .1725
Boiled, linseed oil, .006c. per lb. higher.
Mace, dist., cns., dms.....lb. 3.60 - 5.25
Mandarin, Floridian, dms.....lb. 4.00 - 5.00
Italian, cns.....lb. 7.00 -12.00
Menhaden, crude, tanks, Balto..lb. .06½- —

Oil, mineral, white (see Oil, white, mineral).
Mirbane (see Nitrobenzene).
Mustard seed, expressed, dms..lb. .19¼- .19¾
synthetic, cns., dms.....lb. 1.70 - 1.85
Neatsfoot, 15°, dms.....lb. .33 - .34
20°, dms.....lb. .32 - .33
30°, dms.....lb. .30 - .31
Neroli, NF, French, bots.....lb.195.00-210.00
Haitian, bots.....lb.90.00 - —
Nutmeg, USP, dist., East Indian, cns., dms..lb. 3.80 - 5.00
West Indian, cns., dms..lb. 3.60 - 4.00
Ocotea cymbarum, dms.....lb. .66 - 1.05
Oiticica, liquid, dms.....lb. .25½- .26
tankcar.....lb. .23¾- .24
Oleo, extra, dms.....lb. .14 - .15
Olibanum, bots.....lb. 5.50 - 7.65
extra fine, bots.....lb. 8.00 - —
Olive, commercial, dms.....lb. 1.90 - 1.95
edible, dms., duty paid.....lb. 2.00 - 2.15
foots, dms.....lb. .16 - .16½
Orange, sweet, dist., cns.....lb. .85 - 1.10
expressed, USP, Brazilian, cns., dms lb. No stocks.
Calif., cns.....lb. 1.80 - 2.75
Florida, cns., dms.....lb. 1.80 - 2.25
Messina cns.....lb. 4.00 - 5.85
West Indian, cns.....lb. 2.75 - 3.35
sesquiterpeneless, bots.....lb.175.00 -180.00
Origanum, Spanish, cns.....lb. 2.15 - 2.75
Palm, clarif., dms.....lb. .13¼- —
tankcars (sellers).....lb. .11¾- —
Palmarosa, cns.....lb. 7.00 - 8.25
Paraffin, pale, 100-110 vis., at 100°F. tanks, East Coast refinery gal. .14 - —
Patchouli, dms.....lb. 7.50 -14.75
Peach kernel, USP (see Oil, apricot kernel)
Peanut, crude, tanks, Southeast. lb. .16 - —
refined, dms.....lb. .20 - .20½
tanks.....lb. .18½- —

Oil, pennyroyal, USP, imported, cns..lb. 3.00 - 4.00
Peppermint, natural, dms.....lb. 7.25 - 7.85
redist., USP, dms.....lb. 7.75 - 8.30
Persic, USP (see Oil, apricot kernel).
Perilla, crude, dms.....lb. No stocks.
Petitgrain, Paraguay, cns.....lb. 3.10 - 3.75
Pimento berry, NF, dms.....lb. 4.75 - 5.75
leaf, cns.....lb. 2.55 - 2.85
Pine, dest., dist., dms., extra, c.l., works gal. .75½- —
l.c.l.....gal. .76½- —
whse.....gal. .95½- —
steam dist., dms., ex whse., N.Y.C lb. .127 - .128
Pineneedle, Siberian (see Oil, abies Siberica).
Putty, petroleum, dms., c.l., dlvd. lb. .11 - —
l.c.l., same basis.....lb. .12 - —
tanks, same basis.....lb. .10 - —
Rapeseed, tankcars.....lb. .20 Nom.
Red (see Acid, oleic).
Rice, bran, clarif., dms.....lb. .16 - .16½
crude, tanks, dlvd. E.....lb. .11½- —
refd., salad, tanks, dlvd. E..lb. .15½- —
Rose, natural, Bulgarian, bots..oz.42.25 -62.25
Rosemary, Spanish, tech., cns., dms..lb. .60 - .90
USP, cns., dms.....lb. .85 - 1.10
Rue, bots.....lb. 2.25 - 2.65
Safflower, dms., c.l., works....lb. .16 - —
tanks, works.....lb. .15 - —
Sage, clary, bots.....lb.22.00 -23.00
Dalmatian, cns.....lb.10.25 -10.75
Spanish, cns.....lb. 1.00 - 1.40
Sandalwood, NF, cns.....lb. 9.75 -13.50
Sardine, crude, tanks, Pac. coast. lb. .08½ Nom.

Oil, sassafras, artificial, cns., dms. lb. .60 - .95
natural Brazilian (See Oil, ocotea cymbarum).
domestic, USP, cns., dms..lb. 1.80 - 2.20
Savin, cns.....lb. 2.75 - 3.00
Savory, cns.....lb. No stocks.
Sesame, refd., dms., l.c.l.....lb. .37 - .38
Shingle stain, tar distillate, dms., c.l., works..lb. .31 - —
l.c.l., works.....lb. .33 - —
tanks, works.....lb. .21 - —
Snakeroot, Canada, cns.....lb.31.00 -40.00
Soybean, crude, tanks, mills lb. .10⅜- —
foots (soapstock), acid, 95%, tanks, N. Y. lb. .04 - —
raw, 50%, tanks, N. Y.....lb. .01½ Nom.
refined, alkali, dms., c.l.....lb. .14375- —
l.c.l.....lb. .14875- .15925
tanks.....lb. .12875- —
clarified, dms., c.l.....lb. .13625- .13675
l.c.l.....lb. .14125- —
tanks.....lb. .12125- —
salad, dms.....lb. .14½- .14¾
tanks.....lb. .13⅛- —
Spearmint, USP, dms.....lb. 8.25 - 8.75
Sperm, bleached, winter, 45°, dms lb. .1630- .1660
tankcars.....lb. .1520- —
natural, winter, 45°, dms..lb. .1510- .1560
tankcars.....lb. .1400- —
Spruce, cns., dms.....lb. 2.20 3.15
Sweet birch, USP, Northern, cns. lb. 4.95 6.00
Southern, cns.....lb. 2.00 - 3.50
Tall, crude, tanks works.....lb. .03 - .03¼
refined, dms., c.l., works...lb. .06½- .07½
l.c.l. works.....lb. .06¾- .07¾
tanks, works.....lb. .05¼- .06¼
Tallow, acidless, dms.....lb. .10 - .10½
Tansy, dms.....lb. 8.75 - 9.00



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FOR Unmatched CLARITY

FOR Consistent UNIFORMITY

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EXCHANGE OIL of LEMON

When any product sells four times as well as all of its competition combined, that's a sure sign of quality. No product can hold such a dominant sales position year in and year out unless it fulfills all of the exacting requirements of thousands of quality-conscious buyers. Exchange Oil of Lemon does just that...with a consistency and regularity that have made it the standard in its field. So little Lemon Oil goes so far, why risk buying anything but the best?

Always specify it by the brand name when you order—

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Exchange OIL OF LEMON U.S.P.

SUNKIST GROWERS
PRODUCTS DEPARTMENT
ONTARIO, CALIFORNIA

Producing Plant:
Exchange Lemon Products Co.
Corona, California

Oil, Tar—Penicillin, Crystalline, Potassium

Oil, tar, pine, com'l. dms., extra, c.l., works	lb.	.0488-	—
l.c.l., works	lb.	.0545-	—
whse.	lb.	.0655-	—
tanks, works	lb.	.041	- —
rectified, N.F., l.c.l., dms. ex. tra, works, South	gal.	.67	- —
whse, N.Y.C.	gal.	.77	- —
Tar acid (see T).			
Theobroma (see Cocoa butter).			
Thyme, NF, red, cns., dms.	lb.	1.90	- 3.75
white, cns	lb	2.25	- 4.00
Tung, dom., tanks, mills	lb.	.39½	Nom.
imported, dms., c.l.	lb.	.41¼	- —
l.c.l.	lb.	.41¾	- —
tanks	lb.	.39¾	- —
Turkey red (see Oil, castor, sulphonated).			
Turpentine, NF, cns., dms	lb.	.32	- .65
Vetiver, Bourbon, cns	lb.	23.25	-30.00
Haitian, cns	lb.	20.50	-26.00
Java, cns	lb.	35.00	- —
Wheat germ, a-gal. dms	gal.	9.00	-13.00
White mineral, tech., 50-65% vis., dms., c.l.	gal.	.51½	- .54½
l.c.l.	gal.	.56½	- .57½
65-75 vis., dms	gal.	.52½	- .55½
l.c.l.	gal.	.57½	- .58½
NF, 80-90 vis., dms., c.l.	gal.	.53½	- .56½
l.c.l.	gal.	.58½	- .59½
125-135 vis., dms., c.l.	gal.	.59½	- .62½
l.c.l.	gal.	.64½	- .65½
145-155 vis., dms., c.l.	gal.	.66	- .68½
l.c.l.	gal.	.71	- 71½
175-185 vis., dms., c.l.	gal.	.69½	- .73
l.c.l.	gal.	.74½	- .76
USP, 200-210 vis., dms., c.l.	gal.	.72½	- .75
l.c.l.	gal.	.77½	- .78
345-355 vis., dms., c.l.	gal.	.77	- .80
l.c.l.	gal.	.83	- .85
Oil, wintergreen, USP, nat., Northern, cns.	lb.	5.75	-14.50
Southern, cns	lb.	3.25	-19.50
synthetic (see Methyl salicylate).			
Wood (see Oil, tung).			
Wormseed, NF, cns	lb.	8.00	- 8.50
Wormwood, cns	lb.	6.00	- 7.50
Ylang-ylang, Bourbon, bots	lb.	18.00	-30.00
extra, bots	lb.	39.00	-40.00
Madagascar, bots	lb.	No stocks.	
Oleostearin, bbls.	lb.	.14	Nom.
Olivine aggregate, c.l., mines	ton.	7.00	- 9.50
crushed 8 mesh, bulk, c.l. works	ton.	10.00	- —
paper, bgs, c.l., works	ton.	12.00	- —
Opium, USP, cns	lb.	19.20	-19.43
gran., USP, cns	lb.	21.65	-21.90
powd., USP, cns	lb.	21.65	-21.90
Orange, cadmium, lithopone, bbls., frt. alld. E. of Rockies	lb.	1.65	- —
Chrome, CP, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. R., include Davenport, Tenn. and N. C. E. of Minneapolis, Rock Island, St. Louis, St. Paul	lb.	.2945-	.31
Chrome orange prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport), 1¼c. Miss., N. C., S. C., Tenn., Dallas and Ft. Worth, Tex., 1½c. El Paso, Tex., 2c. Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher dlvd. Pac. Coast, for Denver, Pueblo, Salt Lake City. Wichita prices are equalized with Chicago.			
Dinitroanilin toner	lb.	1.30	- —
Mineral, American, bbls., l.c.l., ship't point, frt. alld	lb.	.2110-	—
Molybdated, bbls.	lb.	.4180-	.44
Orthonitroanilin toner, kgs.	lb.	1.15	- —
Persian, bbls	lb.	.65	- —
Orange flowers, bls	lb.	.12	- .15
Peel, bitter, Haitian, bls	lb.	.11	- .14
sweet, bls	lb.	.14	- .16
Oregano, Italian, bgs	lb.	.18½	- .19
Mexican, bgs	lb.	.15	- .15½
Portuguese, bgs., new crop	lb.	.16	- .16½
Orris root, Florentine, bls	lb.	.20	- .22
powdered, bbls., bxs	lb.	.25	- .26
Verona, bls	lb.	.14	- .15
powdered, bbls., bxs	lb.	.19	- .24
Orthoaminobiphenyl, dms., c.l., works	lb.	.32½	- —
l.c.l., same basis	lb.	.33	- —
tanks, same basis	lb.	.37	- —
Orthoanisidin, bbls	lb.	.86	- —
Orthochloroanilin, dms., c.l.	lb.	.65	- —
l.c.l.	lb.	.67	- —
Orthochlorobenzaldehyde, dms., works	lb.	1.18	- —
Orthochloroparanitroanilin, dms., dlvd	lb.	.86	- —
Orthochlorophenol dms., c.l., frt. equald	lb.	.34½	- —
l.c.l., same basis	lb.	.35½	- —
Orthocresol, pure, 30° C, non-ret., dms., c.l., frt. equald	lb.	.196	- —
l.c.l., same basis	lb.	.201	- —
ret. dms., c.l., same basis	lb.	.195	- —
l.c.l., same basis	lb.	.20	- —
29° C, non-ret, dms., c.l., same basis	lb.	.188	- —
l.c.l., same basis	lb.	.191	- —
ret. dms., c.l., same basis	lb.	.185	- —
l.c.l., same basis	lb.	.19	- —
24-29° C, non-ret. dms., c.l., same basis	lb.	.178	- —
l.c.l., same basis	lb.	.181	- —
tanks, same basis	lb.	.165	- —
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies	lb.	.11¾	- .13¼
l.c.l., same basis	lb.	.12¾	- .14¼
tanks, same basis	lb.	.10¼	- .11¾
Orthoisopropyl N phenylcarbamate (see IPC).			
Orthonitroanilin, dms	lb.	.50	- .56
Orthonitrochlorobenzene, dms	lb.	.20	- .21
Orthonitrobiphenyl tech., dms., c.l., works	lb.	.14½	- —
l.c.l., works	lb.	.15	- —
tanks, works	lb.	.13	- —
Orthonitroparachlorophenol, cns	lb.	.75	- —
Orthonitrophenol, bbls. works	lb.	.94	- —
Orthonitrotoluene, dms., c.l., frt. alld.	lb.	.10	- —
l.c.l., frt. alld	lb.	.11	- —
tanks, frt. alld	lb.	.09	- —
Orthophenetidin, dms., works	lb.	1.00	- —
Orthophenylphenol, fib. dms., works.	lb.	.20	- .44
Orthotoluidin, dms., c.l., works	lb.	.23	- —
l.c.l., same basis	lb.	.24	- —
tanks, same basis	lb.	.22	- —
Osage orange, crystals, No. 1, bbls., l.c.l	lb.	.40	- —
extract, liquid, No. 1, bbls., l.c.l	lb.	.19	- —
Orthotolidin (see Tolidine Base).			
Ouabaine, USP, bots	gram.	3.00	- 4.00
Ox gall, dried, gran. or powd., dms., 5 lbs. or more	lb.	4.35	- —
Oxyquinolin sulphate, cns., 100-lb. lots, works	lb.	4.75	- 5.00
smaller lots, works	lb.	5.28	- 5.38

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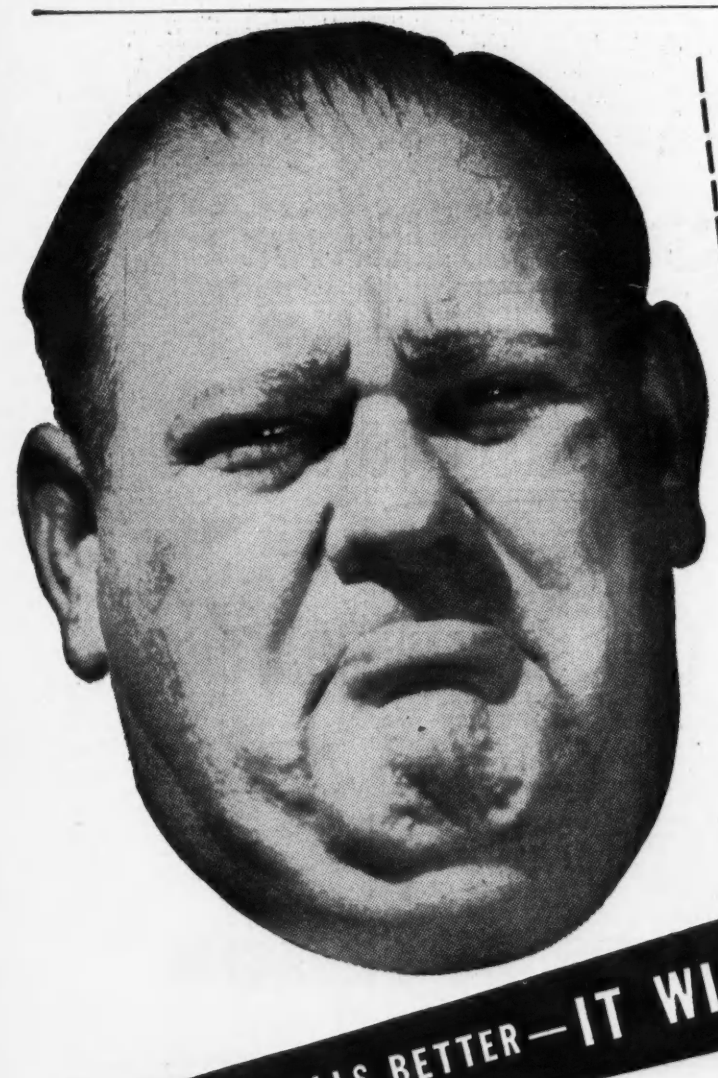
Pancreas substance, assay 1:75 bots.	lb.	5.75	- 6.25
Pancreatin, USP, bots	lb.	2.50	- 3.00
Panthenol, bots., works, frt. adjust.	kilo.	90.00	- —
Papain, powd., African, dms	lb.	6.45	- 9.00
Ceylon, dms	lb.	5.50	- 6.00
Papaverine, natural or synthetic hydrochloride, USP, cns., 1,000 oz. lots	oz.	3.70	- 5.00
smaller lots	oz.	5.05	- 5.20
Sulphate, cns	oz.	7.10	- 7.35
Paprika, Algerian, bgs	lb.	.27	- .28
Czech, bgs	lb.	.23	- .24
Moroccan, bgs	lb.	.23	- .24
Spanish, bgs., new crop	lb.	.26	- .30
Para-anisidin, dms., works	lb.	.88	- —
Para-acetylaminobenzaldehyde thiosemicarbazone, dms., frt. adjusted	lb.	17.50	-21.00
Para-aminophenol, dms., frt. alld	lb.	.97	- .98
Parachloroanilin, dms., frt. alld., E. of Miss	lb.	.75	- —
Parachlorobenzaldehyde, dms., works.	lb.	1.34	- 1.37
Parachloro-orthonitroanilin, dms., frt. alld	lb.	.73	- .82
Parachlorophenol, dms., c.l., frt. equald	lb.	.34½	- —
l.c.l., same basis	lb.	.35½	- —
Paracresol, 98%, dms., dlvd	lb.	.50	- —
Methylether, cns	lb.	2.15	- 2.50
Paracymene, dms., works, 50 gals. or more	gal.	2.50	- —
smaller lots	gal.	3.00	- —
Paradibromobenzene, bgs., 500-lb. lots.	lb.	.55	- —
Paradichlorobenzene, dms., c.l., works	lb.	.14½	- .15¼
l.c.l., same basis	lb.	.17	- .20
Paraffin, crude, scale, white, 120 AMP, solid, ctns., bbls. c.l., ref'y	lb.	.07	- —
tanks, same basis	lb.	.06	- —
fully refined, 122-124 ASTM, loose, c.l., ref'y	lb.	.0745-	—
125-127 ASTM, loose, c.l., ref'y.	lb.	.0745-	—
130-132 ASTM, loose, c.l., ref'y.	lb.	.0755-	—
132-134 ASTM, loose, c.l., ref'y.	lb.	.0755-	—
135-137 ASTM, loose, c.l., ref'y.	lb.	.0755-	—

Prices for paraffin in bags and ctns., c.l., 7/10c. per lb. higher; 1,000 to 9,999 lbs., 2.7c. per lb. higher and under 1,000 lbs., 3.7c. per lb. higher.

Paraformaldehyde, tech., 94-95%, powd., dms., c.l., N. Y. delivery	lb.	.16½	- —
works	lb.	.14½	- —
10,000 lbs., N. Y. delivery.	lb.	.18	- —
works	lb.	.15½	- —
1,000 lbs., N. Y. delivery.	lb.	.19	- —
works	lb.	.16½	- —
less than 1,000 lbs., N. Y., delivery	lb.	.21	- —
works	lb.	.18½	- —
91-92%, flake, fib. dms., c.l., N. Y. delivery	lb.	.14½	- —
works	lb.	.12½	- —
10,000 lbs., N. Y. delivery.	lb.	.16	- —
works	lb.	.13½	- —
1,000 lbs., N. Y. delivery.	lb.	.17	- —
works	lb.	.14½	- —
less than 1,000 lbs., N. Y. delivery	lb.	.19	- —
works	lb.	.16½	- —
USP X, fib. dms., c.l., dlvd. N.Y.C.	lb.	.198	- —
10,000-lb. lots	lb.	.198	- —
1,000-lb. lots	lb.	.198	- —
smaller lots	lb.	.208	- —
Paraldehyde, tech., 98%, 55-gal. dms., c.l., works	lb.	.16½	- —
l.c.l., works	lb.	.17½	- —
tanks, works	lb.	.15	- —
Paranitroanilin, dms., c.l., works, frt. alld	lb.	.47½	- —
l.c.l., works, frt. alld	lb.	.50½	- —
Paranitrochlorobenzene, kgs., works.	lb.	.21	- .22
Paranitrophenol, kgs., works, frt. equald	lb.	.46	- —
Paranitrotoluene, kgs., frt. alld	lb.	.36	- —
Paraphenetidin, dms., works	lb.	.90	- —
Paraphenylenediamine, redistilled, dms., works	lb.	2.30	- 2.80
tech., refd., dms., same basis	lb.	1.10	- 1.30
Paraphenylphenol, bgs., c.l., works.	lb.	.37½	- —
l.c.l., same basis	lb.	.42	- —
Para-tertiary-butylphenol, bgs., c.l., works	lb.	.27½	- —
l.c.l., same basis	lb.	.28½	- —
Parathion, spray powder, 15%, dealers, tins	lb.	.53	- .59
tech., dms., works	lb.	1.50	- —
Paratoluenesulphonamide, flake, bbls., frt. alld	lb.	.64	- .66
powd., bbls., works	lb.	.70	- —
solid, bbls., frt. alld	lb.	.61	- —
Paratoluidin, flake, bbls., frt. alld.	lb.	.64	- .66
solid, bbls., frt. alld	lb.	.61	- —
Pareira brava root, whole, bgs	lb.	.30	- .35
ground, bxs	lb.	.40	- .48
powder, bxs	lb.	.43	- .50
Paris green, dealer, distributor, dms., c.l., works, frt. alld. on 96 lbs. or over	lb.	.35	- .36
l.c.l., same basis	lb.	.39	- .67
Passion flower herb, bls	lb	.25	- .26
Peanut meal, 45%, sacked, mills.	ton.	92.00	-93.00
Pectin, citrous, NF, powd., bbls	lb.	2.05	- 2.08
tech., powd., bbls	lb.	1.50	- —
Penicillin, crystalline potassium, unlabeled vials, 100,000 units.	vl.	.10	- —
200,000 units	vl.	.12¾	- —
500,000 units	vl.	.22½	- —
1,000,000 units	vl.	.38	- —



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Felton chemists, with a wealth of research and experience in Industrial Aromatics and Deodorizing Agents, can supply you with the perfect reodorants or neutralizers for your products. All you have to do is *send us a sample of what you make*—so that we can make careful, individualized study of your requirements.

AROMATIC CHEMICALS • DEODORIZING CHEMICALS • PERFUME OILS • ESSENTIAL OILS

FELTON CHEMICAL COMPANY, INC.
599 Johnson Ave., Brooklyn 6, N.Y.
BRANCHES IN • BOSTON • PHILADELPHIA • LOS ANGELES ST. LOUIS • DALLAS • CHICAGO • MONTREAL • TORONTO

Penicillin, potassium, bulk, sterile, over 25,000,000,000 unit lots..100,000 units.	.018 -	.020
tablet grade over 25,000,000,000 unit lots .100,000 units.	.02¼-	—
Procaine, bulk, over 25,000,000,000-unit lots 100,000 units.	.019 -	.023
Sodium, unlabeled, vials, 100,000 units..vl.	.10½-	—
200,000 units.....vl.	.13¾-	—
500,000 units.....vl.	.23¾-	—
1,000,000 units.....vl.	.40 -	—
2,000,000 units.....vl.	1.03 -	—
bulk, over 25,000,000,000 unit lots .100,000 units.	.02½-	—
Pennyroyal herb, bls.....	.45 -	.50
Pentachlorophenol, dms., c.l., works, frt. equald. lb.	.21 -	—
l.c.l., same basis.....lb.	.24 -	29
truckload, 20,000 lbs. min. same basis lb.	.21¼-	—
Pentaerythritol, tech., bgs., c.l., works lb.	.33 -	—
l.c.l., works lb.	.34 -	.36
Di- and -tri-isomers (see Dipentaerythritol and Tripentaerythritol).		
Pentane, industrial tanks, group 3, gal.	.12 -	.13½
Pepper, black, spot, bgs.....lb.	1.33 -	—
May shipment, bgs.....lb.	1.26 -	1.27
June shipment, bgs.....lb.	1.19 -	—
July shipment.....lb.	1.13 -	—
red, Carolina, longs, bgs.....lb.	.31 -	.32
Haitian, bgs.....lb.	.26 -	.27
Japanese hontakas, bgs.....lb.	.33 -	.35
birdseyes, bgs.....lb.	.36 -	.41
Louisiana longs, bgs.....lb.	.30	Nom.
Mississippi sports, bgs., source, new crop..lb.	.30 -	.31
Mombasa, bgs.....lb.	.49 -	.49½
Turkish, bgs.....lb.	.26 -	.27
Nigerian, caps, bgs.....lb.	.18 -	.30
Sierra Leone, bgs.....lb.	.46 -	.47
White, bags.....lb.	1.75 -	—
Peppermint leaves, USP, dms., bls. lb.	.50 -	.52
imported, bls.....lb.	.80 -	.90
Pepsin, NF, 1:3 000 bulk, containers lb.	3.75 -	3.90
Perchloroethylene, dms., c.l., or truckloads, works lb.	.11 -	—
divd E.....lb.	.13½-	—
l.c.l., works.....lb.	.11¾-	—
divd. E.....lb.	.14 -	—
tanks, works.....lb.	.10 -	—
divd. E.....lb.	.12½-	—
Peru, balsam, dms.....lb.	1.60 -	2.15
Petrolatum, amber, dms., c.l., refy. lb.	.05 -	.05⅝
l.c.l., divd.....lb.	.06¾-	—
tanks, refy.....lb.	.03¾-	.04⅛
cream, dms., c.l., refy.....lb.	.06½-	.07⅛
l.c.l., divd.....lb.	.08½-	—
tanks, refy.....lb.	.05¼-	.05⅝
extra, amber, dms., c.l., refy. lb.	.05¼-	.05⅞
l.c.l., divd.....lb.	.07 -	—
tanks, refy.....lb.	.04 -	.04⅜
USP, white, lily, dms., c.l., refy. lb.	.06¾-	.07½
l.c.l., divd.....lb.	.09⅛-	—
tanks, ref'y.....lb.	.05⅝-	.06
soft, dms., c.l., ref'y.....lb.	.07¼-	.07¾
l.c.l. divd.....lb.	.08¾-	—
tanks ref'y.....lb.	.06 -	.06⅛
snow, dms., c.l., ref'y.....lb.	.07⅝-	.08
l.c.l., divd.....lb.	.09⅝-	—
tanks, ref'y.....lb.	.06¼-	.06½
yellow, soft, dms., c.l., ref'y..lb.	.05¼-	.05⅞
l.c.l., divd.....lb.	.06⅞-	—
tanks, ref'y.....lb.	.04 -	.04⅜
Petroleum, crude, bulk, at wells, California..bbl.	1.10 -	2.99
Illinois.....bbl.	2.44 -	2.87
Kentucky.....bbl.	2.42 -	2.83
Louisiana-Arkansas.....bbl.	2.08 -	2.90
Montana.....bbl.	1.28 -	2.775
Oklahoma-Kansas.....bbl.	2.16 -	2.65
Pennsylvania lower field bbl.	3.82 -	—
Upper field.....bbl.	4.25 -	—
Texas, East.....bbl.	2.65 -	—
Gulf coast.....bbl.	2.38 -	2.95
North, North-Central bbl.	2.23 -	2.65
Panhandle.....bbl.	2.23 -	2.65
West.....bbl.	2.33 -	2.65
Wyoming.....bbl.	1.28 -	2.875
Fuel oil, bunker C, No. 6, California, heavy tanks, refinery..bbl.	1.95 -	2.15
light, tanks, refinery..bbl.	2.00 -	2.25
eastern, tanks, Albany, N. Y. bbl.	2.80 -	—
Baltimore, Md.....bbl.	2.48 -	—
Boston, Mass.....bbl.	2.51 -	—
Charleston, S. C.....bbl.	2.34 -	—
Jacksonville, Fla.....bbl.	2.31 -	—
N. Y. Harbor.....bbl.	2.45 -	—
Norfolk, Va.....bbl.	2.43 -	—
Philadelphia, Pa.....bbl.	2.48 -	—
Portland, Me.....bbl.	2.54 -	—
Providence, R. I.....bbl.	2.47 -	—
Savannah, Ga.....bbl.	2.34 -	—
Diesel, tanks, refinery, California gal.	.0823-	.115
Pennsylvania.....gal.	.0925-	.0975
Furnace, tanks, refinery, Arkansas, No. 2..gal.	.08375-	—
No. 3.....gal.	.08 -	—
N. Y. Harbor, No. 3—gal.	.091 -	—
group 3, No. 1.....gal.	.08625-	.09125
No. 1, straw.....gal.	.09 -	.09375
No. 2, straw.....gal.	.08375-	.08750
range.....gal.	.08875-	.0925
Pennsylvania, western, No. 1..gal.	.1075-	.11625
No. 2.....gal.	.1025-	.1075
No. 3.....gal.	.1025-	—
Lacquer diluent, California, 170-225 F., b.r., tanks, ex tax, f.o.b. Los Angeles..gal.	.167 -	.207
East coast, tanks, N. J. and N. Y. refinery..gal.	.13 -	—
group 3, benzol-type, tanks, refinery..gal.	.13125-	.13625
toluol-type, tanks, refinery. gal.	.12123-	.12625
Mineral spirits, California, tanks, ex tax, f.o.b. San Francisco..gal.	.147 -	.157
East coast, tanks, N.J., N.Y. gal.	.16 -	—
Group 3, tanks.....gal.	.10875-	—
tankwagon, Baltimore....gal.	.175 -	—
Boston.....gal.	.18 -	—
Buffalo.....gal.	.185 -	—
Newark.....gal.	.17 -	—
New York.....gal.	.165 -	.17
Philadelphia.....gal.	.165 -	—
Pittsburgh.....gal.	.19 -	—
Providence.....gal.	.185 -	—
Rochester.....gal.	.20 -	—
Syracuse.....gal.	.21 -	—
Washington, D. C.....gal.	.195 -	—
Naphtha, cleaners, East Coast, tanks, N. J. and N. Y. refinery..gal.	.16 -	—
Group 3, tanks.....gal.	.11375-	—
tankwagon, Newark.....gal.	.17 -	—
New York.....gal.	.17 -	—
Philadelphia.....gal.	.165 -	—
high flash, 140°, group 3, refinery, tanks gal.	.134 -	.1425
high-solvency, 200-203 b.r., 37-38° C., mixed anilin pt., tanks, refinery or East Coast gal.	.25½-	—
25-26° C., m.a.p., tanks, same basis..gal.	.24 -	.30½
270-370 b.r., 78-81° C., m.a.p., tanks, same basis..gal.	.29 -	—
49° C., m.a.p., tanks, same basis..gal.	.32 -	—
36-27° C., m.a.p., tanks, same basis..gal.	.24 -	.33
Petroleum naphtha, high solvency, 300-400 b.r., 28-32° C., m.a.p., tanks, same basis..gal.	.24 -	.30½
340-410 b.r., 36° C., m.a.p., tanks, same basis, gal.	.24 -	—
32° C., m.a.p., tanks, same basis..gal.	.24 -	.30½
27° C., m.a.p., tanks, same basis..gal.	.34½-	—
350-425 b.r., 32° C., m.a.p., tanks, same basis..gal.	.30½-	.31½
V.M.&P., tanks, ref'y, California, 245-360 b.r., Los Angeles, gal.	.152 -	—
Portland, Ore....gal.	.158 -	—
San Francisco....gal.	.157 -	—
Seattle, Wash....gal.	.158 -	—
East coast, N. J., N. Y., tanks..gal.	.17 -	—
Group 3, tanks.....gal.	.11875-	—
tankwagon, Boston.....gal.	.195 -	—
Newark.....gal.	.185 -	—
New York.....gal.	.185 -	—
Philadelphia.....gal.	.180 -	—
Pittsburgh.....gal.	.20 -	—
Solvent, rubber, California, tanks, ex tax, San Francisco..gal.	.15-	—
East coast, N. J., N. Y.gal.	.17 -	—
Group 3, tanks.....gal.	.11875-	—
Stoddard, California, tankwagon, ex-tax, Los Angeles..gal.	.157 -	.197
East coast, N. J., N. Y., tanks..gal.	.16 -	—
Group 3, tanks.....gal.	.11375-	—
Pennsylvania, western, tanks..gal.	.17 -	—
tankwagon, Boston.....gal.	.18 -	—
Newark.....gal.	.17 -	—
New York.....gal.	.17 -	—
Philadelphia.....gal.	.165 -	.17
Pittsburgh.....gal.	.19 -	—
Syracuse.....gal.	.21 -	—

Penicillin, Potassium—Phosphate Rock, Curacao

Petroleum sulphonate, 70% sulphonic content, non-ret., dms., c.l., works..lb.	.2040-	—
l.c.l., works.....lb.	.2065-	—
tanks, works.....lb.	.1850-	—
60-62% sulphonic content, non-ret. dms., works..lb.	.18 -	.20
l.c.l., works.....lb.	.19 -	.20¼
tanks, works.....lb.	.155 -	—
50-55% sulphonic content, non-ret. dms., works..lb.	.16 -	—
l.c.l., works.....lb.	.17 -	—
tanks, works.....lb.	.135 -	—
Phenobarbital, USP, dms., 100 lbs lb.	4.50 -	4.70
Phenobarbital-sodium, USP, dms..lb.	4.50 -	4.70
Phenol, 90-92% (cresol, 8-10%), dms., c.l., frt. alld. E. of Rockies. lb.	.19 -	.20½
l.c.l., same basis.....lb.	.19¾-	.21½
tanks, same basis.....lb.	.17¼-	.18¾
82-84% (cresol 16-18%), dms., c.l., same basis..lb.	.19 -	.20½
l.c.l., same basis.....lb.	.19¾-	.21½
tanks, same basis.....lb.	.17¼-	.18¾
USP, synthetic, dms., c.l., same basis..lb.	.21 -	.21¼
l.c.l., same basis.....lb.	.21¾-	.22
tanks, same basis.....lb.	.19¼-	.19½
tar, distilled, dms., c.l., same basis..lb.	.19 -	.21
l.c.l., same basis.....lb.	.19¾-	.21¾
tanks, same basis.....lb.	.17¼-	.19¼
Phenolphthalein, USP, or yellow bbls., dms., 2,000-lb. lots. lb.	1.10 -	—
smaller lots.....lb.	1.12 -	1.17
Phenothiazin, NF, fib. dms., c.l., frt. adjusted..lb.	.50 -	—
over 2,100 lbs., same basis lb..	.52 -	—
less than 2,100 lbs., same basis, lb.	.54 -	—
Phenyl acetate, dms., 100 lb. lots, works lb.	.50 -	—
Salicylate (see Salol)		
Phenylacetaldehyde solution, 50%, bots..lb.	2.40 -	2.70
100%, bots.....lb.	4.00 -	4.63
Phenylacetamide 125-lb. dms., works, lb.	1.10 -	—
smaller dms., works.....lb.	1.15 -	1.19
Phenylalamine dextro-laevo, dms., works lb.	27.00 -	37.50
Phenylcarbethoxy pyrazolone, 250-lb. fib dms., dlvd. E..lb.	3.60 -	—
less than 250-lb. dms., dlvd. E lb.	4.00 -	—
Phenyldiethanolamine, dms., c.l., frt. alld. lb.	.40 -	—
l.c.l., frt. alld.....lb.	.36 -	.41
Phenylethanolamine, dms., c.l., works..lb.	.69½-	—
l.c.l., same basis.....lb.	.70 -	—
Phenylethyl acetate dms.....lb.	1.50 -	1.90
Phenylethylphenyl acetate, bots..lb.	4.05 -	4.50
Phenylhydrazin base, CP, bots..lb.	3.00 -	3.07
Hydrochloride, commercial, kgs., works lb.	1.75 -	—
CP, bots., works.....lb.	5.12 -	—
Phenylmethylpyrazolone, (see Methylphenylpyrazolone).		
Phloroglucinol, com'l., fib. dms., works..lb.	6.40 -	—
C.P., bots., fib. dms.....lb.	16.00 -	17.75
tech., fib., dms works.....lb.	10.45 -	—
Phosgene, 150-lb cyls., works...lb.	.27½-	—
Phosphate defluorinated (see under D)		
Phosphate rock, Curacao, Atlantic ports..ton.	40.00 -	—

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STATE _____

Phosphate Rock, Florida—Propionaldehyde

Phosphate rock, Florida, land pebble, run-of-mine, washed, dried unground, bulk, c.l., mines, 70%-68%, b.p.l., c.l., same basis long ton. 4.35 - 4.40
72%-70%, b.p.l., c.l., same basis long ton. 5.00 - —
75%-74%, b.p.l., c.l., same basis long ton. 6.00 - —
77%-78%, b.p.l., c.l., same basis long ton. 7.00 - —
finely ground, 65%, b.p.l., basis 30% P_2O_5 minimum, bulk, c.l., mines, short ton. 4.92 - —
68% b.p.l., basis 31% P_2O_5 minimum mines short ton. 5.28 - —
70% b.p.l., basis 32% P_2O_5 minimum, mines, short ton. 5.83 - —
plus or minus usual bonus adjustment clause for oil and labor. Prices on entirely pebble 50c. per long ton higher than above quotations.

Tennessee, brown, run-of-mine, unground, 27-28% P_2O_5, c.l., mines long ton. 6.45 - —
30-29% P_2O_5 c.l., mines long ton. 7.21 - —

Phosphorus, red, amorphous cs., lb. .46 - .47
dms. lb. .44 - .45
yellow, cns. lb. .30 - .37
dms., c.l. lb. .26 - —
Oxychloride, dms., c.l., works lb. .14 - .17
l.c.l., dms., works lb. .15 - .18
tankcars, works 100 lbs. .11½- —
Pentasulphide, dms., c.l., works, lb. .12 - —
l.c.l., dms., works lb. .13 - .14
Phosphorus pentoxide, dms., c.l., works lb. .12 - —
l.c.l., works lb. .13 - .14
Sesquisulphide, tins, cs., works lb. .28 - .29
dms., export lb. .33½- .36
Trichloride, dms., c.l., works lb. .14 - —
l.c.l., works lb. .15 - .18
tankcars, works 100 lbs. .11½- —
Phthalic, anhydride, bgs., c.l., works, frt, equald lb. .22 - .22½
l.c.l., same basis lb. .23 - .23½
tanks, same basis lb. .22 - —
Bbls., ¼c., per pound higher.
Phthalimide bbls. works lb. 1.10 - 1.37
Phthalylsulphacetamide, fiber dms., 100-lb. lots lb. 6.00 - —
Pichi leaves, bgs lb. .16 - .17
Picoline (See Alpha, Beta and Gamma Picoline).
Pilocarpine hydrochloride, NF, bots oz. 5.25 - 6.22
Nitrate, USP, bots., vials oz. 5.10 - 6.20
Pimento, Guatemala, bgs lb. .20 - .20½
Jamaica, bgs lb. .28½- .29
Mexican, bgs lb. .15½- .16
Pinetar, retort, dms., incl. c.l., works lb. .0511- —
l.c.l., same basis lb. .0568- —
whse. lb. .0678- —
Pinkroot, bls lb. 1.75 - 1.80
Piperazine hexahydrate, bots., French Codex kilo. 8.00 - 8.50
Piperidine, 95%, dms., frt. equald, lb. 1.65 - 1.93
98% dms., same basis lb. 1.75 - 2.60
Piperonyl butoxide, dms., dlvd. E lb. 5.00 - 5.30
Cyclonene, dms., dlvd. E lb. 4.20 - 4.50
Pipsissawa herb (see Prince's pine).
Pitch, burgundy, domestic, dms., mc., c.l., l.c.l., works 100 lbs. 9.80 -10.25
Coaltar, 140°-150° F., m.p., bbls., c.l., works ton.38.00 -39.00
l.c.l., works ton.41.00 - —
Cottonseed, dms., works lb. .07½- .08
Hardwood, paper bgs., c.l., works, lb. .02 - —
Linseed, dms lb. .06½- .07
Petroleum (see Asphalt, petroleum).
Pine, dms., inc., l.c.l., works, South 100 lbs. 7.50 - —
Soybean, dms., works lb. .05½- .06
Tall, dms., works lb. .05½- .06
Plaster of Paris (see Gypsum).
Platinum metal, works oz.90.00 -93.00
Pleurisy root, bls lb. .45 - .50
Podophyllum resin, NF, dms lb.13.20 -14.00
Pokeroot, bls lb. .18 - .20
Polyoxyethylene sorbitan monostearate, dms., 20,000 lbs., works lb. .43 - —
10,000-20,000 lbs., works lb. .45 - —
smaller lots, works lb. .48 - .50
Tristearate, dms., 20,000 lbs., works lb. .43 - —
10,000-20,000 lbs., works lb. .45 - —
smaller lots, works lb. .48 - .50
Polystyrene, colors, special, bgs., over 20,000 lbs., frt. alld, lb. .35½- .36
10,000-19,999 lbs., same basis lb. .36 - .36½
5,000-9,999 lbs., same basis, lb. .36½- —
standard, bgs lb. .35½- .36
crystals, heat-resistant, bgs., c.l., l.c.l lb. .34 - .34½
standard, bgs., c.l., l.c.l lb. .32½- .33
Polystyrene in non-returnable fiber dms., ½c. per lb. higher.
Pomegranate root, bark, bgs lb. .60 - .65
Poppy flowers, bgs lb. .80 - 1.00
seed, Argentine, bgs lb. .13 - .13¼
Czech, bgs lb. .13 - .13¼
Dutch, bgs lb. .13 - .13¼
Polish, bgs lb. .12¼- .12½
Turkish, bgs lb. .12¼- .12½
Potash, caustic, low-chloride, flake, 85% basis 90% KOH, dms., c.l., works 100 lbs.10.00 - —
l.c.l., works 100 lbs.10.75 - —
liquid, 45%, dms., c.l., works, 100 lbs. 4.625 - —
l.c.l., works 100 lbs. 5.125 - —
tanks, works 100 lbs. 4.30 - —
solid, 90%, dms., c.l., works, 100 lbs. 9.40 - —
l.c.l., works 100 lbs.10.15 - —
regular, flake, 88-92%, dms., c.l., works 100 lbs. 8.50 - —
l.c.l., works 100 lbs. 9.25 - —
liquid, 45% basis, dms., c.l., works 100 lbs. 3.875 - —
l.c.l., same basis 100 lbs. 4.65 - —
tanks, same basis 100 lbs. 3.55 - —
solid, 88-92%, dms., c.l., works 100 lbs. 7.90 - —
l.c.l., same basis, works 100 lbs. 8.65 - —
Potassium abietate, dms., works lb. .25 - .28
Acetate, NF, dms lb. .31 - .36
Bicarbonate, USP, gran., dms lb. .22 - —
powd., dms lb. .24 - —
Bichromate, bgs., c.l., works lb. .14½- —
l.c.l., same basis lb. .14¾- .15½
Potassium bichromate in drums ⅜c. higher.
Bitartrate (see Cream of tartar).
Bromate, bbls., 1,000 lbs. or more, lb. .50 - .52
25-200-lb. lots lb. .55 - .57
Bromide, USP, gran., bbls., kgs, lb. .34 - —
Carbonate, tech., calcined, bbls., c.l., works 100 lbs. 8.25 - —
l.c.l., same basis 100 lbs. 9.30 - —
hydrated, 83-85%, bbls., c.l., works 100 lbs. 6.75 - —
l.c.l., works 100 lbs. 7.50 - —
USP, gran., bbls., dms lb. .16½- .18
powd., bbls., dms lb. .21 - .23
Chlorate, eryst., dms., c.l., works, lb. .09¾- —
l.c.l., works lb. .10 - .11
powd., dms., c.l., works lb. .10¼- —
l.c.l., works lb .10¾- .11¾
export, dms., 1 to 10 tons, works lb. .13 - .13¾
NF, gran., dms lb. .31 - .33
Chloride, USP, cryst., dms lb. .21 - .23
gran., dms lb. .15 - .17
powd., dms lb. .24 - .26
Chromate, tech. bgs lb. .32 - .36
Citrate, USP, gran., dms lb. .37½- .38½
powder, dms lb. .40½- .41½
Cyanide, dms, over 500 lbs., works, lb. .55 - —
under 500 lbs., works lb. .57 - —
Fluoborate, fib. dms., c.l., works, lb. .26 - —
l.c.l., works lb. .27 - —
Fluoride, dms., works lb. .24 - —
Gluconate, dms lb. .75 - .79
Glycerophosphate, 75% solution, cbys. lb. 2.15 - 2.25
Guaiacolsulphonate, NF, dms lb. 2.10 - 2.30
Hydroxide, tech (see Potash caustic).
USP, pellets 100 lb. dms. 1 to 100 dms. lb. .31½- .36
Hypophosphite, NF, ton lots or less, fib. dms lb. 1.00 - 1.03
Iodide, dms lb. 2.15 - 2.20
Manure salt, 22% K_2O, bulk, mines unit-ton. .21 - —
Metabisulphite gran., dms lb. .20 - .21
powd., dms. lb. .25 - —
Muriate, dom., 50-60% K_2O, bulk, Carlsbad, N. M. unit-ton. .42 - .44½
Trona, Cal unit-ton. .50½- —
50-51% K_2O, paper bgs., Carlsbad, N. M ton.25.75 - —
Nitrate (see Saltpeter).
Oxalate, neutral, tech., fine gran., bbls., dms lb. .30 - .32
purified, dms lb. .42 - .44
Pentoborate, gran., bgs., c.l., works ton.184.00 - —
ton lots, bbls., ex whse ton.261.00 - —
less ton lots, bbls., ex whse.ton.266.00 - —
Powdered Potassium pentoborate, $10.25 per ton higher.
Perchlorate, dms., c.l., works lb. .14 - —
l.c.l., works lb. .14½- .15½
Permanganate, tech., dms., works, lb. .22½- .23½
USP dms., works lb. .24¾- .30¼
Persulphate, dms., c.l., works lb. .18 - .19
l.c.l., works lb. .20 - .22
Phosphate, tetrabasic, bbls., works, lb. .16½- .18½
Prussiate, red, kgs lb. .60 - .63
yellow, dms., ton lots lb. .22½- —
smaller quantities lb. .23 - —
kegs lb. .28 - —
Silicate, glass, bgs., c.l., works, 100 lbs.14.70 - —
l.c.l. 100 lbs.15.20 - —
solution, 29° Be., ret. dms., c.l., works 100 lbs. 4.50 - 4.55
l.c.l., 5 dms. or more, works 100 lbs. 5.25 - 6.30
30° Be. ret. dms., c.l., works, 100 lbs. 4.70 - —
l.c.l., works 100 lbs. 5.20 - —
32.5° Be., ret. dms., c.l., works, 100 lbs. 4.85 - —
l.c.l., works 100 lbs. 5.35 - —
40° Be., ret. dms., c.l., works 100 lbs. 5.35 - —
l.c.l., works 100 lbs. 5.85 - —
40.5° Be, ret. dms., c.l., works, 100 lbs. 6.00 - 6.75
l.c.l., 5 dms. or more, works 100 lbs. 6.75 - 7.50
1-4 dms., works 100 lbs. 7.25 - 7.90
Silicofluoride, bbls., works lb. .09½- .10
Stannate, dms., frt. alld. E lb. .740 - .796
Sulphate, agricultural, 90-95% K_2SO_4, bulk, works, basis 90% ton.36.25 - —
NF VII, cryst., dms lb. .31 - .33
gran., dms. lb. .18½- —
powder, dms. lb. .19 - —
Sulphocyanide, cryst., NF (see Potassium thiocyanate)
Thiocyanate, NF, cryst., dms lb. .82 - 1.08
tech., works lb. .77 - .79
Titanate, ctns., c.l., works lb. .12½- —
5-ton lots, works lb. .12¾- —
1-ton lot or less, works lb. .13 - —
Potassium-magnesium sulphate bulk, works basis 40% K_2SO_4, 18% MgO ton.16.00 - —
Potassium-sodium tartrate (see Rochelle salt).
Potassium-titanium fluoride, fib. dms., works lb. .35 - .36
Potassium-titanium oxalate, bbls., cs., lb. .85 - .95
Potassium-zirconium fluoride, fib. dms., c.l., works lb. .50 - —
l.c.l., works lb. .52½- .55
Pregnenolone, bots gm. 1.50 - —
Acetate, bots gm. 1.25 - —
Prickly ash bark, bls lb. .30 - .35
Berries, bgs. lb. .70 - .75
Prince's pine herb, bls lb. .55 - .60
Procaine hydrochloride, USP, dms., contract, 1,000 lbs. or more, works lb. 3.40 - 3.75
spot lb. 3.40 - 3.75
Progesterone, USP, 100 gms., bots gm. 1.75 - —
Propane, commercial grade, tanks, group 3 gal. .24 - —
Propionaldehyde, dms., 5,000 lbs. or more, custom contract lb. .60 - —

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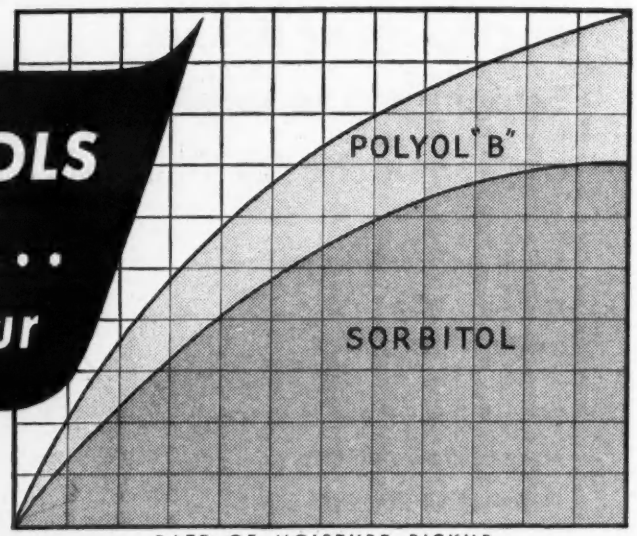

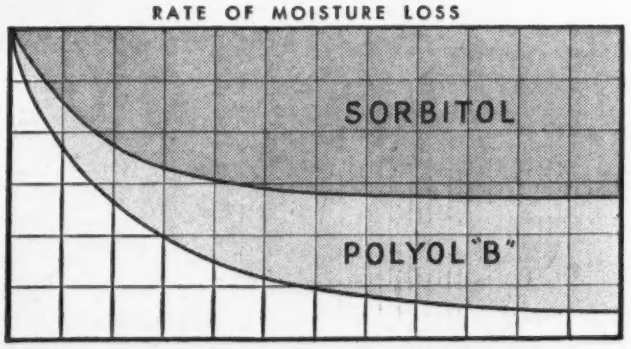

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Atlas sorbitol picks up less moisture and loses less moisture—at a slower rate—than other commercial polyols. Your products will retain their saleability better under all humidity ranges when they are conditioned with sorbitol.

FACT No. 2 **Sorbitol for Economy**

On price stability alone, sorbitol rates as the "best buy" in polyols. Its price trend through the years has been steadily downward. Still another price reduction recently has been made. Ask about it.

FACT No. 3 **Sorbitol for Availability**

Sorbitol is derived from sugar which is available in almost unlimited quantities. You don't need to worry about shortages of sorbitol or its derivatives.

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- 30,000 lbs. Sodium Nitrite
- 20,000 lbs. Formic Acid 85%
- 450,000 lbs. Magnesium Chloride
- 225,000 lbs. Corn Starch
- 90,000 lbs. Corn Steep Liquor
- 100,000 lbs. recovered Cellosolve
- 31,000 lbs. Lanolin, technical
- 1,500,000 lbs. Soda Ash, dense
- 17,000 lbs. Strontium Tartrate
- 15,000 lbs. Corn Sugar Molasses
- 25,000 lbs. Dicyclohexyl Phthalate
- 20,000 lbs. Lead Acetate
- 22,425 lbs. Oronite Paste Detergent
- 600 gallons Acetonitrile
- 9600 lbs. Iron Reduced by Hydrogen
- 78,650 lbs. Trichlorethylene
- 10,000 lbs. Ammonium Thiocyanate
- 50,000 lbs. Zinc Chloride
- 1500 lbs. Chlorophyll 4%
- 12,140 lbs. Vinyl Acetate AYAT
- 20,000 lbs. Dimethyl Acetophenone
- 175,000 lbs. Alpha Ethyl Phenyl Butyrate
- 490 gallons Methanol Synthetic
- 3000 lbs. Sulfathiazole
- 140 gallons Cocoa Cream Flavor
- 1900 lbs. Sodium Benzoate
- 10,000 gallons recovered Methanol
- 995 gallons mixed Picolines
- 125,000 lbs. Acetic Anhydride
- 4000 lbs. Parolite

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Propyl aldehyde (see Propionaldehyde)
Gallate, dms.. 2,000 to 100 lb. lots, works..lb. 3.90 - 4.40
Parahydroxybenzoate, USP, dms.. lb. 2.30 - 2.40
Propylene dichloride, dms., c.l. lb. .0845- .093
l.c.l. .....lb. .0950- .1050
tanks .....lb. .07 - .08
Oxide, dms., c.l., frt. alld. E..lb. .19½- .20½
l.c.l., frt. alld., E.....lb. .20½- .21½
tanks, frt. alld. E.....lb. .17½- .18½
Propyleneglycol, tech., dms., c.l., frt. alld. E. lb. .19¼- .21¼
l.c.l., same basis.....lb. .20¼- .22¼
tanks, same basis.....lb. .17½- .18½
USP, dms., c.l., frt. alld. E....lb. .20¼- .21½
l.c.l., same basis.....lb. .21¼- .22¼
tanks, same basis.....lb. .18½- .19½
Methylether, dms., c.l., frt., equald..lb. .21 - —
l.c.l., same basis.....lb. .22 - —
tanks, same basis.....lb. .19½- —
Propylthiouracil, bots., 50 kilos or more..kilo.55.00 - —
smaller lots .....kilo.53.10 -55.30
Psyllium seed, black, bgs.....lb. .27 - .30
blonde, bgs. .....lb. .19 - .20
husks, bgs. .....lb. .50 - .55
Pulsatilla herb, bls .....lb. .45 - .55
Pumice, dom., grd. coarse, 0½, 1, 1½- 2, 3 bgs., ton lots. lb. .03⅝- .04¼
smaller, lots.....lb. .03⅞- .04½
Italian, silk-screen, coarse, bags, ton lots..lb. .06½- —
fine, bgs., ton lots .....lb. .04 - —
sun dried, coarse, bgs. ton lots lb. .02½- —
fine, bgs., ton. lots .....lb. .02½- —
Pumice in bbls. is ½c. per lb higher.
Pumpkin seed, bgs.....lb. .18 - .20

Pyrethrum flowers, fine-grd., 0.9% pyrethrins bbls. works. lb. .50 - —
powder, 1.3% pyrethrins, bbls., works..lb. .71½- —
liquid (20 to 1) basis 2 grams pyrethrins per 100 cc. odorless basis, bbls., works.gal.10.50 - —
(30 to 1) basis 3 grams pyrethrins per 100 cc. odorless base, bbls., works..gal.13.75 - —
oleoresin dewaxed, 20%, for aerosol bombs, dms., works.lb.11.00 -12.00
Pyrethrin synthetic (see Allethrin).
Pyridin, denaturing, dms., c.l., works and frt. equald. gal. 2.67 - —
l.c.l., same basis.....gal. 2.70 - —
refd., 2°, non-ret. dms., c.l., same basis. lb. .89½- 1.04½
l.c.l., same basis..... lb. .90 - 1.05
Pyridoxine hydrochloride, 100-gram bots gram. .55 - —
Pyrites .....long-ton. No prices.
Pyrocatechol (see Catechol).
Pyrogallol, NF..... lb. 3.25 - 3.43
Pyrophyllite, insecticide grade, 200 mesh, bgs., c.l., mines .ton.13.50 -14.00
rubber grade, 140 mesh, bgs., c.l., mines..ton.13.50 - —
standard, 200 mesh, bulk, c.l., mines ton.12.50 - —
230 mesh, bulk, c.l., mines.ton13.50 - —
325 mesh, bulk, c.l., mines.ton.16.75 - —
No. 3, 200 mesh, bulk, c.l., mines, ton.11.00 - —
Standard and No. 3 pyrophyllite in paper bgs. $3 to $3.50 per ton extra.

Pyroxylin, USP, bots.....lb. 9.59 - —
Scrap, opaque, amber, cs., works, lb. .15 - —
black, cs., works.....lb. .12 - —
mixed, mottled, cs., works..lb. .11 - —
white, china, ivory, cs., works, lb. .12 - —
dense, cs., works.....lb. .12 - —
translucent, pastels, cs., works, lb. .14 - —
transparent, colorless, cs., works, lb. .20 - —
colors, cs., works.....lb. .14 - —
shavings, opaque, amber, cs., works..lb. .12 - —
mixed, colors, cs., works..lb. .12 - —

Q

Quassia, chips, bls.....lb. .08 - .09
Quebracho extract, clarified, grd., 70% tannin, bgs., c.l., lb. .16½- .16¾
liquid, 35% tannin, bbls., works, tanks, same basis ..... lb. .08¼- —
solid, clarif., 64% tannin, bgs., c.l., exdock, duty extra lb. .12¾- —
ordinary, 63% tannin, bgs., c.l., same basis. lb. .11 31/64 —
Quebracho extract prices are based on $20.40 freight and $1 insurance per long ton.
Queen of the meadow root, bgs. lb. .20 - .25
Quercitron extract, crystals, No. 1, bbls., l.c.l..lb. .40 - —
liquid, No. 1, bbls., l.c.l.....lb. .19 - —
Quicksilver, flasks (76 lbs. net)... flask.200.00 -207.00
Quince seed, bgs.....lb. .80 - 1.50

Quinidine, NF, v cryst., cns., 100-oz. lots..oz. 1.90 - —
powd., precip., cns., 100-oz. lots oz. 1.85 - —
Sulphate, USP, cns., 100-oz. lots oz. 1.25 - —
Quinine, NF, cns., 100-oz. lots..oz. .70 - —
Bisulphate, USP cns., 100-oz. lots..oz. .51 - —
Dihydrochloride, USP, cns.....oz. .70 - .72
Ethylcarbonate, NF, cns., 100-oz. lots..oz. .75 - —
Hydrobromide, NF, cns., 50-oz. cns. oz. .63 - —
Hydrochloride, USP, cns., 100-oz. lots..oz. .63 - —
Phosphate, NF cns., 100-oz. lots.oz. .76 - —
Salicylate, NF, cns., 100-oz. lots oz. .66 - —
Sulphate, USP, cns., 100-oz. lots.oz. .56½- —
Quinine and Urea hydrochloride, NF, cans.... oz. .68 - —
Quinolin, ret. dms., c.l., frt. equald. lb. .60¾- —
l.c.l., same basis.....lb. .61¼- —
tanks, same basis.....lb. .60 - —

R

R salt, paste dry basis, dms., frt. alld..lb. .87 - —
Raspberries, dried, bbls.....lb. 1.25 - 1.30
Red, BON, arylid, deep shades, bbls. lb. 3.60 - —
light medium shades, bbls. lb. 2.75 - —
maroons, pure, bbls.....lb. 1.75 - —
resinated, bbls.....lb. 1.50 - —
Cadmium, CP, dark shade, bbls., frt. alld. E. of Rockies.lb. 4.60 - —
light shade, bbls., same basis. lb. 4.20 - —
medium shade, bbls., same basis lb. 4.50 - —
medium-light shade, bbls., same basis..lb. 4.30 - —
orange shade, bbls., same basis lb. 3.80 - —
lithopone, deep shade, bbls., same basis lb. 1.85 - 1.90
light shade, bbls., same basis, lb. 1.75 - —
maroon shade, bbls., same basis lb. 2.00 - 2.10
medium shade, bbls., same basis lb. 1.85 - —
medium-light shade, bbls., same basis lb. 1.80 - —
orange-red shade, bbls., same basis lb. 1.70 - —
Red cadmium lithopone all shades, in smaller pkgs., 5c. per lb. higher; all prices are 1c. per lb. higher ex whse. Los Angeles and San Francisco.
Carmine No. 40 (see Carmine).
Crocus martis (see Red, maroon iron oxide).
Dyes (see Dyes, coaltar).
Eosin toner, bbls.. works..lb. 1.60 - —
Indian, dom., pure, bgs., Bethlehem, Easton, E. St. Louis, N. Y lb. .12½- —
Iron oxide, pure, 98% ferric oxide, bgs., c.l., works..lb. .12¼- —
l.c.l., works.....lb. .12½- —
natural 75%-85% ferric oxide, bgs., l.c.l., Bethlehem, Pa.; Copley, O.; Easton, Pa.; E. St. Louis..lb. .05¾- —
Lake C. toner, alizarin, bbls., works lb. 1.10 - 1.20
Lithol, toner, bbls., works.....lb. .76 - .80
rubin, toner, pure bbls., works lb. 1.50 - —
resinated, bbls., works ..lb. 1.40 - —
Virginia-type, bbls., works..lb. 1.40 - —
Maroon toner, BON, arylid, dlvd.lb. 3.60 - 5.90
Cadmium, deep, bbls., works, lb. 1.20 - —
regular, bbls., works.....lb. 1.10 - —
MNPT, toner, kgs., works..lb. 3.60 - —
Maroons in smaller pkgs. 5c. per lb. higher.
Mercury oxide, tech., bbls., 10,000 lbs, works..lb. 4.22 - —
smaller lots, works.....lb. 4.24 - —
Metallic, bbls., c.l., works.....lb. .02½- —
l.c.l., works.....lb. .02¾- —
Oxide (see Red iron oxide).
Persian gulf, bgs., c.l., works..lb. .06¾- —
l.c.l., works.....lb. .07 - —
Para toner, bbls.....lb. .85 - —
Chlorinated, kgs.....lb. 1.10 - 1.15
Phloxin toner (see Red eosin toner).
Rhodamine, molybdated, PMA., kegs..lb. 4.90 - —
tungstated, PTMA, works, kegs, lb. 6.35 - —
Spanish, oxide, bbls., c.l., ex dock lb. .05¾- —
l.c.l., ex dock.....lb. .06 - —
ex whse., New York..lb. .06½- —
Toluidin toner, deep shades, kgs., works..lb. 1.33 - 1.40
light shades, kgs., works....lb. 1.33 - 1.40
Turkey, bbls., works.....lb. .14½- —
Tuscan, bbls., frt. equald.....lb. .24½- .25
Venetian, 15%, bgs., works....lb. .0350- .0375
20%, bgs., works.....lb. .04 - —
25%, bgs., works.....lb. .0450- —
30%, bgs, works.....lb. .0475- —
35%, bgs., works.....lb. .05 - —
40%, bgs, works.....lb. .0525- —
Vermilion, Amer., bbls.....lb. .32 - —
Quicksilver, ctns.....lb. 3.70 - —
Watchung-type, bbls. .....lb. 1.95 - —
Red KB base (see Chloro (4)-2-toluidine).
Red precipitate, NF, powd., fib. dms..lb. 4.37 - 4.41
Red saunders NF, powd., bbls....lb. .35 - —
Rennin, NF, powder.....lb. 6.25 - —
Resorcinol, tech. grade, dms., c.l., works..lb. .82½- —
l.c.l., works.....lb. .83½- —
USP, cryst., dms., works.....lb. 2.75 - —
powd., dms., works.....lb. 2.95 - —
Resorcinol monoacetate, NF, dms., lb. 3.25 - 3.45
Rhatany root, bgs.....lb. .15 - .16
Rhodinol, 5-lb. cans.....lb.40.00 -56.00
Rhubarb root, China, whole, cs..lb. .70 - 1.25
powd., bbls.....lb. .75 - 1.50
India, whole, bgs.....lb. .30 - .35
powdered, bbls.....lb. .35 - .40
Riboflavin, USP, bots., dlvd..kilo.125.00 - —
Readily soluble, bots., dlvd..kilo.125.00 - —
Rice bran, concentrate, dms., Cedartown, Ga..lb. .79 - —
Rochelle salt, USP, gran., powd., dms., 5,000 lbs..lb. .37¼- —
smaller lots.....lb. .38 - .43
Rose flowers, pale, bls.....lb. .45 - .50
Rosemary flowers, bls.....lb. 1.55 - 1.65
Leaves, French, bls.....lb. .10¼- .11
Portuguese, bls.....lb. .06¾- .07
Spanish, bls.....lb. .08 - .08½
Rosin, gum and wood (see Naval Stores, Protective Coatings market).
Rotenone, CP, bbls., works.....lb.20.00 - —
tech., bbls., works.....lb.16.50 - —
Rottenstone, bgs., c.l., mines...ton.40.00 - —
l.c.l., mines.....ton.48.00 - —
Rue herb, bls.....lb. .35 - .40
Rutin, 10-kilo lots, fib. dms..gram. .03 - .04
smaller lots, fib. dms.....gram. .03 - .04
Ryania, 100% powd., bgs., works..lb. .20 - —

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S

Sabadilla seed, powd., bbls.....lb. .73 - —
activated, ground with lime, bbls. lb. .45 - .50
Saccharin, USP, gran., soluble, dms., 1000-lb. lots lb. 1.60 - —
smaller lots.....lb. 1.70 - 1.80
powd., soluble, insoluble, dms., 1000-lb. lots lb. 1.65 - —
smaller lots.....lb. 1.75 - 1.95
Safflower, Egyptian, bls.....lb. .65 - .70
Saffron, Mexican, bls.....lb. .90 - .95
Spanish, USP, tins.....lb.24.00 -27.00
Safrol, dms.....lb. .72 - 1.35
Sage, Cretan, bls.....lb. .12½- .13
Cyprus, bls.....lb. .09 - .09¼
Dalmatian, bls.....lb. .56 - .57
Greek, bls.....lb. .12½- .13
Officinalis, Italian, bls.....lb. .23 - .24
Spanish, bls., stemless.....lb. .12 - .12½
Syrian, bls.....lb. .13 - .13½
Turkish, bls.....lb. .12½- .13
Sago flour, refined, bgs.....lb. .09 - .09¼
unrefined, bgs.....lb. .0735- .0775
Sal soda (see Soda sal).
Salol, NF, gran., bbls., kgs.....lb. 1.05 - —
fib. dms.....lb. 1.07 - 1.08
powdered salol, 25c. higher.
Salt, rock, paper bgs., c.l., works, 100 lbs. .63 - —
l.c.l. 100 lbs. 1.09 - —
Table, vacuum, common, fine, paper bgs., c.l., works 100 lbs. .77 - —
l.c.l., works.....100 lbs. 1.12½- —
Saltcake, dom., bulk, works, 100% Na_2SO_4 basis ton.17.00 - —
Saltpeter, cryst., bbls., 10-ton lots, works 100 lbs.14.40 - —
smaller lots.....100 lbs.14.65 -14.90
powd., bbls., 20-ton lots....100 lbs.10.75 - —
smaller lots.....100 lbs.12.00 -12.50
gran., bbls., 20-ton lots....100 lbs. 9.75 - —
smaller lots.....100 lbs.11.10 -11.50
NF, gran., dms.....lb. .09¾- .17¾

Saltpeter in bags, 50c. per 100 lbs. less than in barrels; in kegs, $1 more.

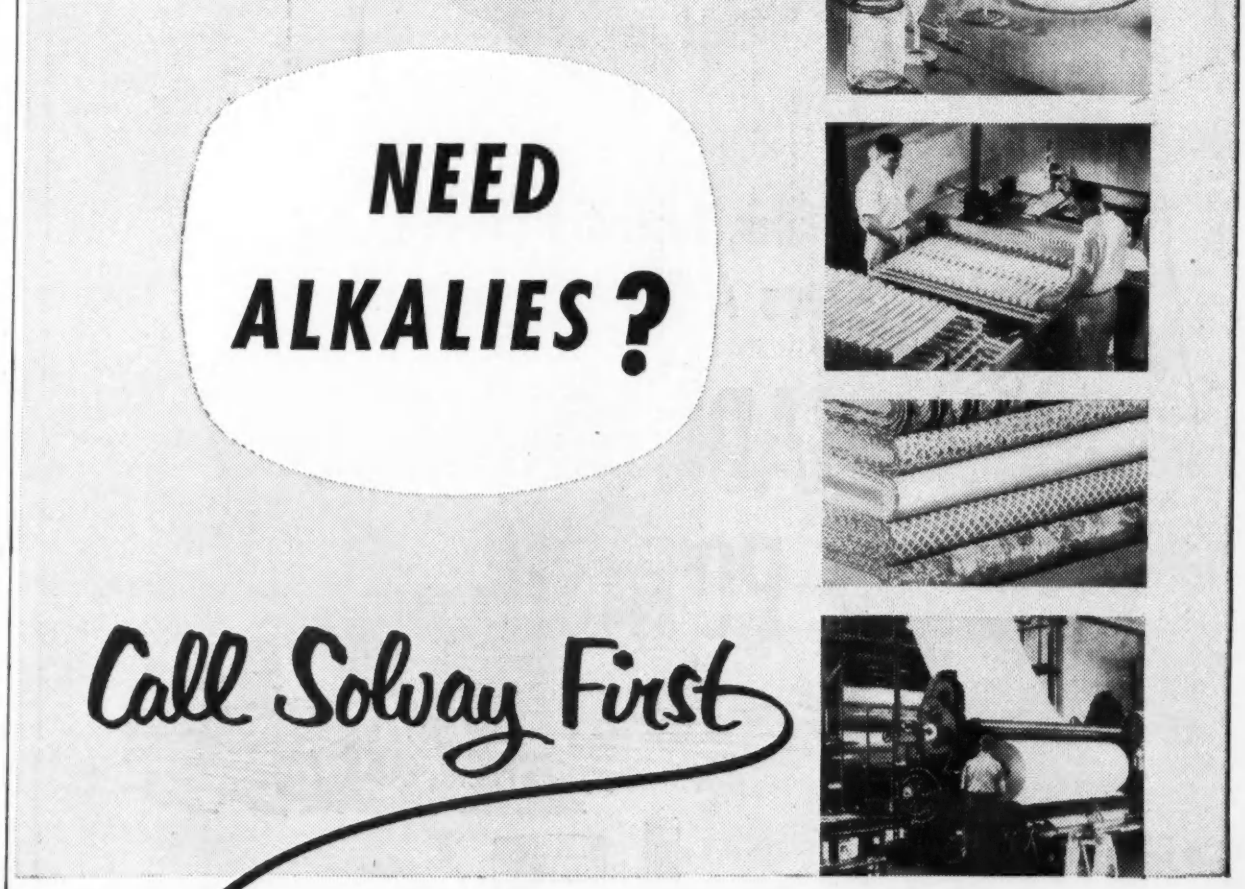
Sandalwood chips, East Indies, bgs., lb. .65 - .66
powd., dms.....lb. .75 - .76
Sanguinarine nitrate, bots.....oz. 4.75 - 5.50
Santonin, NF, dom., dms., cryst., powd., cns kilo.275.00 -297.00
imported, cryst., powd., cns kilo.300.00 - —
Saponin, No. 1, 100-lb. dm.....lb. 2.75 - —
Sarsaparilla root, dom., bls.....lb. .45 - .50
Honduras, bls.....lb. .38 - .40
Mexican, bls.....lb. .22 - .25
Sassafras bark, ord., bls.....lb. .35 - .40
select, bls.....lb. .60 - .65
Savory, French, bls.....lb. .15½- .16
Spanish, bls.....lb. .08½- .09
Saw palmetto berries, bgs.....lb. .32 - .38
Scammony resin lump, cns.....lb. 1.95 - 2.20
powd., cns.....lb. 2.05 - 2.30
Root, bgs.....lb. .10 - .14
Schaeffers salt, paste, dms., frt. alld. lb. .77 - —
powder bgs., frt. alld.....lb. .80 - —
Scopolamine hydrobromide, bots. oz.17.60 -18.30
Hydrochloride, USP, bots.....oz.84.00 - —
Seidlitz mixture, bbls., 5,000 lbs. lb. .30½- —
smaller lots.....lb. .31 - .32
Selenium, powd., dms., dlvd.....lb. 3.25 - —
Senega root bls.....lb. 2.00 - 2.15
Senna leaf, Alex., half-leaf, bls lb. .18 - .20
sifting, bgs.....lb. .14 - .18
Tinnevelly, No. 1, bls.....lb. .21 - .22
No. 2, bls.....lb. .19 - .21
No. 3, bls.....lb. .16 - .19
powdered, bls., bxs.....lb. .20 - .24
Pods, bls.....lb. .40 - .50
Serpentaria root, bls.....lb. 5.00 Nom.
Sesame seed, Indian, white, hulled, bgs lb. No stocks.
natural, bgs lb. No stocks.
Nicaragua, hulled, bgs.....lb. .21 - .27
natural, bgs.....lb. .14 - .14¾
Turkish, bgs.....lb. .15 - .15½
Shellac, bleached, bonedry, bgs., 1,500-lb. lots lb. .48 - —
bbls., 1,500-lb. lots.....lb. .49 - —
kgs., 1,500-lb. lots.....lb. .51 - —
refined, bgs., 1,500-lb. lots lb. .58 - —
bbls., 1,500-lb. lots.....lb. .59 - —
kgs., 1,500-lb. lots.....lb. .61 - —

Bonedry shellac prices for less than 1,500 lb. lots, 1c. per lb. higher for all packages.

Lemon, No. 1, bgs.....lb. .35 - .37
No. 2, bgs.....lb. .32 - .35
Superfine, bgs., 10-bg. lots....lb. .30 - .32
TN, bgs., 10-bg. lots.....lb. .28 - .31
Shellac in 1 to 9 bgs., 1c. mare.
Shingle stain oil (see Oil, shingle stain).
Silica, amorphous, dry-grd., 325 mesh, bgs., c.l., ill., works ton.25.00 - —
l.c.l., works.....ton.30.00 -40.00
hard-quartz, 99½%, 325 mesh, bgs., c.l., works ton.20.00 - —
l.c.l., works.....ton.25.00 -30.00
140 mesh, bgs., c.l., works ton.15.00 - —
l.c.l., works.....ton.20.00 - —
Silicon tetrachloride, tech., dms., c.l., works lb. .16 - —
l.c.l., works.....lb. .20 - .28½
Silver bullion, ingots, cs.....oz. .84 - —
Cyanide, fib. dms., 2,500-oz lots. oz. .76¾- —
1,000-oz. lots.....oz. .76¾- —
500-oz. lots.....oz. .77½- —
100-oz. lots.....oz. .77⅝- —
Nitrate, CP, cryst., bots., 2,500-oz. lots.....oz. .55½- —
1,000-oz. lots.....oz. .56¾- —
500-oz. lots.....oz. .57¼- —
250-oz. lots.....oz. .57¾- —

USP granular silver nitrate, 4c. per oz. higher.

Proteinate, mild, USP, bots., dms., 1,000-oz. lots oz. 1.05 - —
strong, NF, bots., dms., 1,000-oz. lots..oz. 1.00 - —
Simaruba bark, bls.....lb. .90 Nom.
Skullcap herb, Eastern, bls.....lb. .50 - .65
Western, bls.....lb. .30 - .35
Skunk cabbage root, bls.....lb. .35 Nom.
Slate flour, bgs., c.l., works...ton. 7.55 -13.00
l.c.l., ex whse.....ton.19.85 -27.35
Sloe berries, bgs.....lb. .24 - .28
Smalt, black, ctns.....lb. .15 - —
Blue, ctns.....lb. .16 - —
Snakeroot, Canada, bls.....lb. .75 - .80
Soapbark, bls.....lb. .25 - .27
crushed, bls., bbls.....lb. .32 - .35
powd., bbls.....lb. .35 - .37
Soda ash, dense, 58% paper bgs., c.l., works..100 lbs. 1.60 - —
l.c.l., stock points....100 lbs. 2.85 - 4.62
bbls., c.l., works.....100 lbs. 2.15 - —
l.c.l., stock points....100 lbs. 3.35 - 4.12
bulk, c.l., works.....100 lbs. 1.30 - —
light, 58%, paper bgs., c.l., works..100 lbs. 1.50 - —
l.c.l., stock points....100 lbs. 2.75 - 4.52
bbls., c.l., works.....100 lbs. 2.05 - —
l.c.l., stock points....100 lbs. 3.25 - 5.02
bulk, c.l., works.....100 lbs. 1.20 - —
Soda, caustic, flake, powd., 76%, c.l., works..100 lbs. 3.75 - —
l.c.l., stock points....100 lbs. 4.95 - 6.77
Soda caustic, liquid, 50%, sellers' tanks, works, dry basis, 100 lbs. 2.55 - —
rayon-type, tanks, works, dry basis 100 lbs. 2.65 - —
70% sellers' tanks, works, dry basis 100 lbs. 2.65 - —
rayon type, tanks, works, dry basis 100 lbs. 2.75 - —
solid, 76%, dms., c.l., works 100 lbs. 3.35 - —
l.c.l., stock points....100 lbs. 4.55 - 5.05
Sal, bgs., c.l., works.....100 lbs. 1.40 - —
l.c.l., works.....100 lbs. 1.70 - —
Soda-lime, USP, dms.....lb. .23 - .25
Sodium acetate, anhyd., bgs., c.l., works lb. .12 - —
l.c.l., dms.....lb. .12¾- —
NF, gran., dms., works....lb. .16 - —
Alginate, refined, water-soluble, bbls., works lb. .83 - —
semi-refined, bbls., works lb. .54 - —
NF, white, powd., dms., ton lots, works lb. 1.40 - —
smaller lots.....lb. 1.55 - 1.65
Aluminate, bgs., 29 000 lbs. or more 100 lbs. 8.50 - —
smaller, lots.....100 lbs. 9.50 - —
Antimoniate, bbls., c.l., dlvd. E lb. .38 - —
l.c.l., dlvd.....lb. .39 - —
Arsenate, dms., c.l., works....lb. .12½- —
l.c.l., dms., works.....lb. .13¾- .14¼
Arsenite, dms., c.l., works....lb. .13½- —
l.c.l., dms., works.....lb. .14¼- .15¼
solution, dms., works.....gal. .70 - 1.10
Benzoate, tech., bbls., dms., 100 lbs. or more lb. .37½- .39
USP, bbls., dms., 100 lbs. or more lb. .44½- .46
Bicarbonate, USP, gran., bgs., c.l., works 100 lbs. 2.50 - —
l.c.l., works....100 lbs. 3.15 - —
powd., bgs., c.l., works 100 lbs. 2.10 - —
l.c.l., works.....100 lbs. 2.75 - —
Sodium bichromate, bgs., c.l., works. lb. .11 - —
l.c.l., same basis.....lb. .11¼- .12
Bifluoride, bbls., c.l., works, frt. equald lb. .1375- —
l.c.l., same basis.....lb. .1415- —
Bisulphate, bulk, c.l., works, 100 lbs. 2.00 - —
dms., c.l., works.....100 lbs. 2.65 - 3.85
l.c.l., works.....100 lbs. 3.05 - 3.65
Bisulphite, powd., bgs., c.l., works. 100 lbs. 3.90 - —
l.c.l., works.....100 lbs. 4.15 - —
solut. 35°, bbls., c.l., works, 100 lbs. 1.40 - —
l.c.l., works.....100 lbs. 1.80 - —
Borate (see Borax).
Bromide, USP, bbls.., kgs., works. lb. .34 - .35
Cacodylate, NF, jars, dms....lb. 7.00 - 9.00
Carbonate, anhydrous (see Soda ash), crystalline, decahydrated (see Soda sal), monohydrated, bgs., c.l., works 100 lbs. 2.65 - —
l.c.l., works.....100 lbs. 3.05 - —
Chlorate, cryst., dms., c.l., works. lb. .08¼- —
l.c.l., works.....lb. .08¾- .09¼
Chloride, tech (see Salt), USP, dms.....lb. .05 - .12
Chlorite, tech., dms., works..lb. .58 - .73
Chloroacetate, tech., dms., c.l., works lb. .24 - —
l.c.l., works.....lb. .25 - .26
Chromate, dms., c.l., works lb. .12¾- —
l.c.l., same basis.....lb. .13 - .13¾
Citrate, anhyd., dms.....lb. .60 - .65
USP VIII, gran., dms.....lb. .22½- .29¼
USP XIV, gran., dms.....lb. .28 - .32
Sodium citrate USP powd. prices ½c. higher.
Cyanate, dms., 1,000-lb. lots., works lb. .85 - 1.10
smaller lots, works.....lb. 1.00 - 1.25
Sodium cyanide, flake, 96-98%, dms., c.l., or 20,000-lb. lots..lb. 1.68 - —
over 1,000 lbs.....lb. 1.78 - —
100-lb. to 1,000-lb. lots..lb. 1.88 - —
Granular sodium cyanide 1c. higher.
Diacetate, 33-35% acidity, 250-lb. dms., works..lb. .14 - —
l.c.l., dms.....lb. .14¾- —
anhydrous, dms., c.l., works..lb. .17 - —
l.c.l.....lb. .17¾- —
Fluoride, white, 90%, bbls., c.l., works..lb. .11 - —
l.c.l., works.....lb. .1140- —
95%, bbls., c.l., works.....lb. .1125- —
l.c.l., works.....lb. .1165- —
Fluoracetate, monobasic, 8-oz. tins, 50 to a case, works lb.12.00 - —
2 to 25 tins to case, works..lb.12.00 -16.50
1 oz. tins, 15 to 64 to case, works lb.16.50 -21.00
Formate, bgs., c.l., dlvd....100 lbs. 7.10 - —
l.c.l.....100 lbs. 8.15 - 8.45
Gentisate, 100-lb. fib. dms.....lb. 8.50 - —
Gluconate, dms.....lb. .83 - .85
Glutamate, monobasic, dms., c.l., dlvd..lb. 1.66 - —
smaller lots, dlvd.....lb. 1.67 - 1.69
Glycerophosphate, NF, cryst., bbls. lb. 1.80 - 1.95
powder, bbls.....lb. 1.85 - 2.00
solution, 75%, cbys.....lb. 1.06 - 1.21
Hydride, dms., works.....lb. 2.40 - 3.00
Hydrosulphide (see Sodium sulphydrate).
Hydrosulphite, dms., c.l., frt. alld. lb. .24½- —
l.c.l., frt. alld.....lb. .25 - —
Hydroxide, tech. (see Soda caustic).
NF, pellets, 100-lb. dms., 1 to 100 dms lb. .21½- .26
Hypophosphite, NF, ton lots or less, dms lb. .95 - .98



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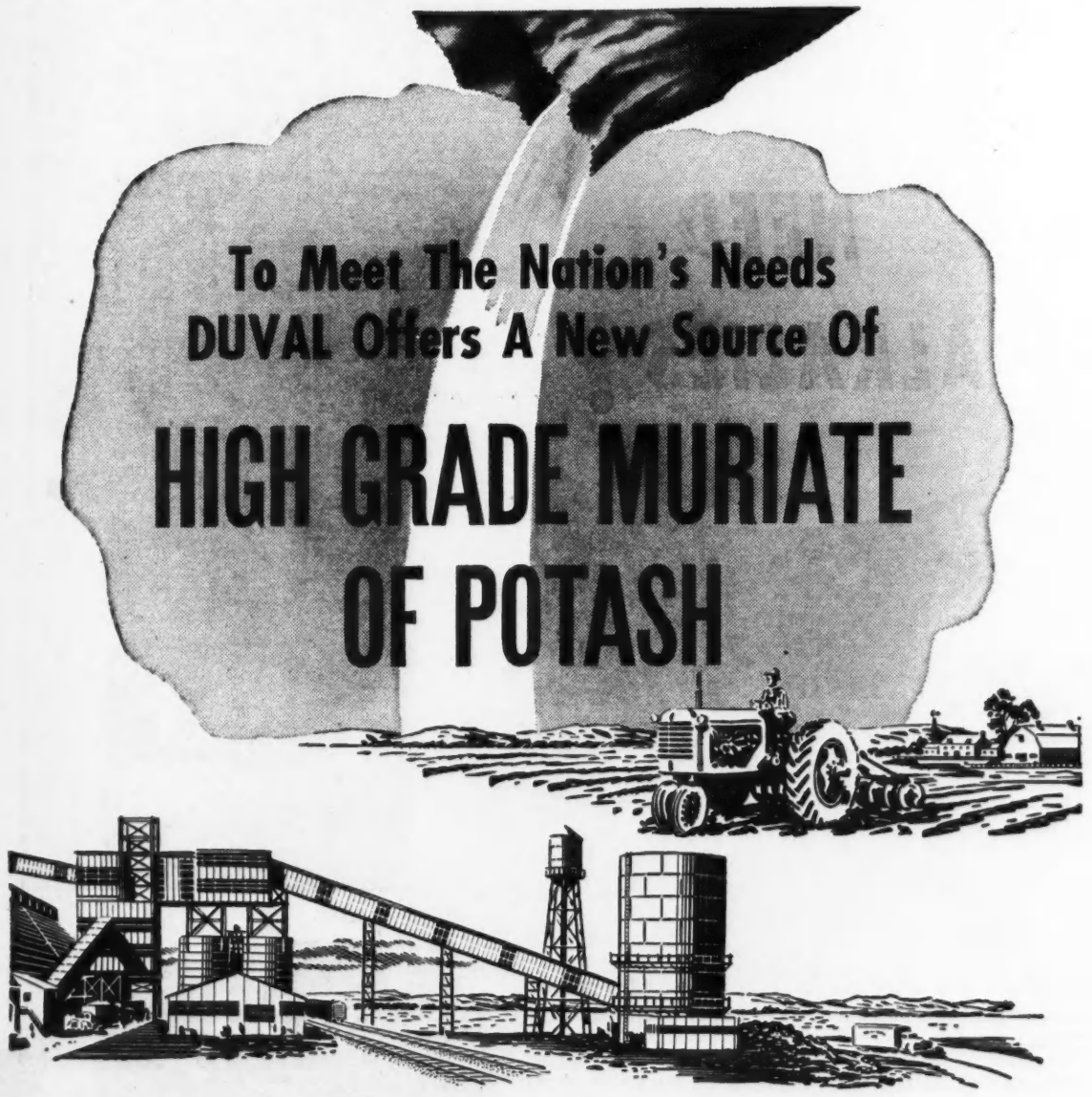
Caustic Potash
Chlorine
Potassium Carbonate
Calcium Chloride
Sodium Bicarbonate
Specialty Cleansers
Sodium Nitrite

CAUSTIC SODA
Nytron
Ammonium Bicarbonate
Para-dichlorobenzene
Ortho-dichlorobenzene
Monochlorobenzene
Methanol
Formaldehyde
Ammonium Chloride

Sodium Hyposulphite—Spikenard Root

Sodium hyposulphite, tech., bgs., works..100 lbs. 4.00 - —
l.c.l., same basis.....100 lbs. 4.40 - 6.90
photo grade, bgs., c.l., works. 100 lbs. 4.00 - 4.25
l.c.l., same basis....100 lbs. 4.65 - 7.15
pea crystals, bgs.....100 lbs. 4.50 - —
gran., bgs., c.l., works.100 lbs. 5.00 - —
Sodium, hyposulphite crystals in bbls. 50c. higher.
NF (see Sodium thiosulphate).
Iodide, USP, bots., dms.....lb. 2.69 - —
Lactate, edible, 50%, dms., cbys., works..lb. .21½- —
60% dms.. cbys., works...lb. .26½- —
tech., 30%, dms., cbys., works, lb. .16½- —
Laurylsulphate, dms., c.l., dlvd lb. .27 - —
l.c.l., dlvd.....lb. .28 - —
tanks, dlvd.....lb. .25 - —
Metaborate, octahydrate, gran., bgs., c.l., works..ton.78.50 - —
l.c.l., ex., whse.....ton.124.50 -129.50
tetrahydrate, c.l., bbls., works. ton.199.50 - —
Sodium metaborate, octahydrate in bbls., $24.50 per ton higher.
Metal, tanks, works.....lb. .16 - —
bricks, dms., works.....lb. .17 - .19
Metanilate, bbls. frt. alld.....lb. .62 - —
Metasilicate, anhyd., bgs., c.l., works..100 lbs. 4.70 - —
l.c.l., works.....100 lbs. 4.95 - 5.20
dms., c.l.....100 lbs. 5.05 - —
l.c.l. .....100 lbs. 5.30 - 5.55
Sodium metasilicate, pentahydrate, bgs, c.l., works, frt. equald..100 lbs. 3.80 - —
l.c.l., bgs., works....100 lbs. 4.05 - 4.30
dms., c.l., works.....100 lbs. 4.20 - —
l.c.l., works.....100 lbs. 4.45 - 4.70
Molybdate, crystals, bbls., works, lb. .75 - .83
powd., anhy., dms., works..lb. 1.05 - 1.06
Monohydrate (see Sodium carbonate., monohydrated).
Naphthionate, bbls. .....lb. .70 - —
Nitrate, crude, bgs., c.l., works. ton.51.00 - —
bulk, c.l., works.....ton.47.50 - —
imp., 100-lb. bgs., c.l., Atl., Gulf, Pac. whse..ton.57.00 - —
bulk, c.l., same basis..ton.53.50 - —
Nitrite, bbls., c.l., works, frt. equald. lb. .07¼- —
l.c.l., same basis.....lb. .08¾- —
USP, gran., dms.....lb. .17 - —
Orthosilicate, anhyd., dms., c.l., works..100 lbs. 6.00 - —
l.c.l., works.....100 lbs. 7.60 - —
hydrated, flake, bbls., c.l., works 100 lbs. 4.75 - —
l.c.l., works..... 100 lbs. 5.50 - —
Oxalate, neut., bgs., works....lb. .104 - —
Para-aminobenzoate, dms., 1,000-lb. lots or more..lb. 3.00 - —
smaller lots .....lb. 3.05 - 3.40
Para-aminosalicylate dms., 1,000-lb. lots., frt. adjusted. lb. 4.25 - —
smaller lots, same basis lb. 4.30 - 4.75
Pentachlorophenate, briquets, bgs., c.l., works, frt. equald.lb. .25½- —
l.c.l., same basis.....lb. .26½- .28¼
Sodium pentachlorophenate, pellets, bgs, c.l., same basis..lb. .25 - —
l.c.l., same basis.....lb. .26 - 28
powd., bgs., c.l., same basis..lb. .24 - —
l.c.l., same basis .....lb. .25 - 27
Pentachlorophenate 20,000 lbs. min. truckloads ¼c. per lb. over carlot prices.
Perborate, USP, tech., bbls., c.l., works..lb. .193 - —
l.c.l., works .....lb. .198 - —
Peroxide, dms., c.l., dlvd. E. of Miss..lb. .1860- —
l.c.l., same basis.....lb. .1910- .2010
Phenolsulphonate, USP IX, gran., dms..lb. .44 - .45
powd., dms.....lb. .47 - .48
Phosphate, dibasic, anhyd., bgs., c.l., works..100 lbs. 7.25 - —
l.c.l., works.....100 lbs. 7.65 - —
USP, dried powd., bgs., dms., works..lb. .19 - .20½
duohydrate, bgs., c.l., works. 100 lbs. 6.65 - —
l.c.l., works.....100 lbs. 7.05 - —
monobasic, anhyd., bgs., c.l., works..100 lbs. 8.05 - 8.30
l.c.l., works.....100 lbs. 8.45 - 8.70
tribasic, cryst., bgs., c.l., works, frt. equald..100 lbs. 4.05 - 5.30
l.c.l., same basis..100 lbs. 4.45 - 8.20
Sodium phosphates in bbls. 40c. higher than bgs.
Prussiate, yellow, bgs., 10-ton lots. lb. .13¼- —
smaller lots.....lb. .14 - —
Pyrophosphate acid, bgs., c.l., works, frt. equald..100 lbs.10.00 -10.75
ferric, dms., 1,500-lb. lots, works..lb. .30 - —
smaller lots, works....lb. .31 - —
Sodium pyrophosphate, tetrabasic, anhy., bgs., c.l., works, frt. equald..100 lbs. 7.50 - —
l.c.l., frt. equald..100 lbs. 7.90 - —
Salicylate, USP, dms.....lb. .63 - —
Sesquicarbonate, bgs., c.l., works. 100 lbs. 2.10 - —
l.c.l., dlvd. zone 1....100 lbs. 3.85 - 4.25
zone 2.....100 lbs. 4.11 - 4.51
zone 3.....100 lbs. 4.40 - 4.70
zone 4.....100 lbs. 5.11 - 5.50
Sales zones are: (1) All States E. of Miss. R. and N. of south bound of Ky. and Va.; Ala., La., and Miss., south of 31° Tex. E. of 100°; S. of 31° Fla.; also Me., N. H., and Vt., in which there are special county zones; Davenport, Ia. and St. Louis; (2) Ark. E of 98° Ga.; Iowa (except Davenport), Minn.; Mo. (except St. Louis), Neb., E. of 98° N. C., S. C., Tenn. and Tex. N. of 31° and E. of 100° (except Wichita Falls); also Ala., La. and Miss. No. of 31°; (3) Ark. W. of 96°, Kan., Neb. W. of 98°; N. D., Okla., S. D., Tex., W. of 100° (including Wichita Falls excluding El Paso); (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah, Wyo., and El Paso, Tex.
bbls., c.l., works.....100 lbs. 2.45 - —
Sesquisilacate, anhy., dms., c.l., works..100 lbs. 5.50 - —
l.c.l., works.....100 lbs. 7.00 - —
Silicate, liquid, 40°, turbid., dms., c.l., works..100 lbs. 1.30 - —
l.c.l., works .....100 lbs. 1.60 - 1.85
tanks, works.....ton.19.00 - —
52°, turbid., dms., c.l., works. 100 lbs. 2.20 - —
l.c.l., works.....100 lbs. 2.50 - 2.75
tanks, works.....ton.37.00 - —
solid, bgs., works.....ton.55.00 - —
Silicofluoride, bgs., c.l., works..lb. .070 - —
l.c.l., works.....lb. .075 - .079
Stannate, dms., works, frt. alld. E..lb. .660 - .716
Stearate, tech., dms., works....lb. .43 - .44
USP, dms., works.....lb. .70 - .75
Sulphanilate, bbls., works.....lb. .22 - —
Sulphate, NF VII, dried, gran., dms..lb. .22½- —
tech., anhyd., bgs., c.l., works, frt. allowance to $10. 100 lbs. 2.23 - —
l.c.l., works, same basis. 100 lbs. 2.50 - 3.00
cryst. (see Glauber's salt).
rayon grd., bgs., c.l., works. ton.27.00 - —
l.c.l., works ..... ton.33.00 - —
USP, cryst., fib. dms.....lb. .17½- .18
gran., fib. dms.....lb. .17½- .18
Sulphide, flake, bbls., c.l., works, E., frt. equald.....ton.100.00 - —
l.c.l., same basis .....ton.108.00 - —
fused, bbls., c.l., works, E. frt. equald..ton.88.50 - —
l.c.l., same basis .....ton.98.50 - —
Sulphite anhyd., bgs., c.l., works. 100 lbs. 2.73 - —
l.c.l., same basis....100 lbs. 3.33 - 5.56
regular, cryst., bgs., c.l., works. 100 lbs. 4.80 - —
l.c.l., same basis..100 lbs. 5.20 - 6.45
powder, bbls., c.l., works 100 lbs. 6.75 - —
l.c.l, works.....100 lbs. 7.25 - —
Sulphocyanide, CP (see Sodium thiocyanate).
Sulphoricinoleate, bbls.....lb. No prices.
Sulphydrate, flake, 70-72%, dms., works, c.l...ton.115.00 - —
l.c.l., works.....ton.125.00 - —
liquid 34-40%, 100% basis, tanks, works..ton100.00 -117.60
Tetraborate (see Borax).
Tetrasulphide, liquid, 40%, dms., c.l., works..lb. .03¼- —
l.c.l., works.....lb. .03¾- —
Thiocyanate, CP, dms.....lb. .55 - .65
tech., dms., works.....lb. .30 - —
Thiosulphate, NF, cryst., bbls lb. .12½- —
tech (see Sodium hyposulphite).
Titanate, ctns., c.l., works....lb. .10½- —
5 tons, works.....lb. .10¾- —
1 ton or less, works.....lb. .11 - —
Trichloroacetate, 90%, 100-lb. dms., c.l., frt. alld., E.....lb. .37½- —
l.c.l., frt. adjusted, E lb. .39½- —
50-lb. dms., c.l., frt. alld., E lb. .38 - —
l.c.l., frt. adjusted, E lb. .40 - —
10-lb. cns., c.l., frt. alld., E..lb. .44 - —
l.c.l., frt. adjusted, E..lb. .46 - —
Prices West of the Rockies are 1¾c. per pound higher.
Tripolyphosphate, bgs., c.l., works, frt. equald.....100 lbs. 7.85 - —
l.c.l., same basis.....100 lbs. 8.25 - —
Tungstate, tech., kgs., dlvd. E..lb. 3.15 - —
Sodium-ammonium phosphate, bbls., works, frt. equald..lb. .23 - —
Sodium-carboxymethylcellulose. See CMC.
Sodium-cinchophen (see Cinchophen-sodium).
Sodium-formaldehyde sulfoxylate, c.l., dms., dlvd..lb. .25½- —
l.c.l., same basis.....lb. .26 - —
Sodium sulpha, drugs (see Sulpha name).
Sodium-zirconyl sulphate, fiber dms., 1,000 lbs. or more, works..lb. .28 - —
less than 1,000 lbs., same basis..lb. .30 - —
Solvent naphtha, coaltar, tanks, works..gal. .31 - .34
high-flash, tanks, works..gal. .31 - .34
petroleum, 100°F., tanks, Baytown, Tex..gal. .31 - —
Bayonne .....gal. .35 - —
150°F., flash, tanks, Baytown, Tex..gal. .31 - —
Sorbitan monostearate, fib. dms., 20,000 lbs., works..lb. .32 - —
10,000 to 20,000 lbs., works..lb. .34 - —
smaller lots, works.....lb. .37 - .39
Tristearate, fib. dms., 20,000 lbs. works..lb. .33 - —
10,000 to 20,000 lbs., works..lb. .35 - —
smaller lots, works.....lb. .38 - .40
Sorbitol, cryst., pellets, dms., c.l., works..lb. .30 - —
ton-lots to 5 tons, works.. lb. .32 - .33
powd., dms., ton lots to 5 tons, works..lb. .38 - .39
solution, commercial, aqueous, dms., c.l., works..lb. .24¼- —
ton lots, works.....lb. .25 - —
less ton lots, works...lb. .25¼- —
tanks, works.....lb. .23¼- —
regular, 70%, aqueous, dms., c.l., works..lb. .16 - —
ton lots, works.....lb. .16¾- —
less ton lots, works...lb. .17 - —
tanks, works.....lb. .15 - —
Soybean meal, 41% bulk Decatur. ton.81.00 - —
protein chemically isolated 40,000 to 60,000 lbs., dlvd lb. .25¼- —
20,000 to 40,000 lbs., same basis..lb. .25¾- —
100 to 20,000 lbs., same basis..lb. .26¼- —
mechanically refined, bgs., 40,000 lbs., same basis..lb. .0600- —
20,000 lbs., same basis....lb. .0615- —
smaller lots same basis..lb. .0630- —
Sparteine sulphate, cns.....oz. .85 - 1.25
Spearmint leaves, bls.....lb. .60 - .65
Spikenard root, bls.....lb. .32 - .45



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NORFOLK, VA. • CHARLESTON, S. C. • TAMPA, FLA. • GREENVILLE, MISS. • COLUMBUS, OHIO

Spruce extract liq. reg., tanks, works lb. .01¾- —
powd. super bgs., c.l., works. lb. .05½- —
l.c.l., works lb. .05¾- —
Squaw vine leaves, bls lb. .38 - .42
Squill red fortified powd., bbls. boxes lb. 1.60 - —
white, bls lb. .10 - .14
powd., bbls., bxs lb. .16 - .20
St. Ignatius beans, bgs lb. No stocks.
St. John's bread edible, bls lb. .10 - 13
Stannous chloride (see Tin chloride stannous)
Star root (see Helonias root)
Stargrass root (see Aletris root)
Starch, corn, pearl, paper bgs., c.l., N. Y. 100 lbs. 7.19 - —
l.c.l. 100 lbs. 7.34 - —
powd., paper bgs., c.l. 100 lbs. 7.31 - —
l.c.l. 100 lbs. 7.46 - —
Prices for corn starch in cotton bags 25c. per 100 lbs. higher.
Potato, Idaho, bgs., c.l., works lb. No stocks.
Maine, bgs., c.l., works lb. .10½ Nom.
l.c.l., spot lb. .10¼ - .12
Rice, l.c.l., bgs lb. .11 - .12¼
Wheat, bgs lb. .0675- .0710
Stavesacre seed, bgs lb. .60 - .61
Stearin, oleo (see Oleostearin).
Stillingia root, bls lb. .28 - .30
Stoneroot, bls lb. .07½ .03
Storax, USP es lb. 1.50 - 1.60
Stramonium leaves, bgs lb. .16 - .18
Streptomycin, either hydrochloride or sulphate, bulk, 50-kilo lots or more gram .27 - —
unlabeled, 1-gram vials, 1 to 500,000 vials vial .30 - —
5-gram vials, 1 to 500,000 vials vial 1.32 - —
Strontium bromide, NF, cns., dms. lb. .77 - .78
Carbonate, 92%, dms lb. .19 - .23
Chloride, tech., bbls lb. .22 - .24
Chromate, bbls., works lb. .46 - —
Iodide jars, 25-lb. lots lb. 3.37 - —
Nitrate, bbls., c.l., works lb. .1025- —
l.c.l., works lb. .1125- —
Oxalate, bbls., works lb. No prices.
Salicylate, NF, dms lb. 1.65 - —
Sulphate, air floated, 90%, 325 mesh bgs., works ton. 56.70 -66.15
Strontium-calcium sulphide phosphorescent, dms., works lb. 2.80 - 2.85
Strophanthin, NF, bots oz. 25.00 -25.50
Strophanthus seed, Komba, bgs. lb. 3.00 - 3.25
Strychnine, NF, powd., cans., 100 ozs. oz. 1.25 - —
Phosphate, NF, 100 ozs oz. 1.14 - —
Sulphate, USP, powd., cans, 100 ozs oz. 1.00 - —
Styrene monomer, dms., c.l., works lb. .22¼- —
l.c.l., works lb. .23¼- —
tanks, works lb. .21 - —
Styrolyl acetate bots lb. 1.50 - 1.75
Sucrose octa-acetate, denaturing grd., 100-200-lb. bgs., l.c.l., works lb. .71 - —
Sugar coloring (see Caramel coloring).
Sugar of milk (see Milk sugar).
Sulphabenzamide, dms lb. 4.00 - 4.50
Sodium, dms lb. 4.00 - 4.50
Sulphacetamide, fiber, 100-lb. dms., lb. 4.15 - —
Sulphadiazin, USP, crystals, free flowing, dms lb. 11.25 -11.75
microcrystals, 99%, not over 10 microns, dms lb. 10.60 -11.10
powder lb. 10.25 -10.75
Sulphadiazin-sodium, USP, dms lb. 11.25 -11.75
Sulphaguanidin, USP, dms lb. 4.50 - 5.00
Sulphamerazin, USP, micro crystals, 99.9%, not over 10 microns, dms lb. 10.65 -11.15
powder, dms lb. 10.25 -10.75
Sulphamerazin-sodium, USP, dms., lb. 11.25 -11.75
Sulphamethazine, micro crystals, dms lb. 8.90 - 9.40
powder, dms lb. 8.50 - 9.00
Sulphanilamide, USP, 30-80 mesh., dms lb. 1.40 - 1.60
microcrystals, dms lb. 1.70 - 1.90
powder, dms lb. 1.30 - 1.50
Sulphanilamidoquinoxaline veterinary, dms lb. 8.00 - 8.25
Sulphapyridin, NF, powd., bots., tins, lb. 7.00 - 7.50
Sulphapyridin-sodium monohydrate, dms lb. 7.50 - 8.00
Sulphathiazole, USP, crystals, free flowing, dms lb. 4.00 - 4.50
micro, crystals, 99.9%, not over 10 microns, dms lb. 3.85 - 4.15
powder, dms lb. 3.50 - 3.80
Sulphathiazole-sodium, USP, dms., lb. 3.50 - 3.80
Sulphur, commercial, flour, bgs., mines 100 lbs. 2.05 - —
bbls., mines 100 lbs. 2.20 - —
lump, bgs., mines 100 lbs. 1.70 - —
bbls., mines 100 lbs. 2.00 - —
crude, bulk, c.l., mines, contract, long ton. 21.00 -22.00
f.o.b., vessels, Gulf ports, export long ton. 25.00 -27.50
domestic and Canada long ton. 22.50 -23.50
refined, flowers, USP, bgs., mines, 100 lbs. 3.60 - —
bbls. 100 lbs. 4.75 - —
flour, light, bgs., mines 100 lbs. 3.35 - —
bbls., mines 100 lbs. 4.25 - —
lump, bgs., mines 100 lbs. 2.90 - —
rolls, bgs., mines 100 lbs. 3.35 - —
bbls., mines 100 lbs. 3.80 - —
salt block, bgs., mines 100 lbs. 3.10 - —
virgin block, bbls., mines 100 lbs. 3.05 - —
rubbermakers, com'l, regular, bgs., mines 100 lbs. 2.25 - —
bbls., mines 100 lbs. 2.40 - —
98-100% passing through 325 mesh, bgs., mines 100 lbs. 2.25 - —
bbls., mines 100 lbs. 3.40 - —
refined, bgs., mines 100 lbs. 2.85 - —
bbls., mines 100 lbs. 2.95 - —
treated, 2.5% mineral oil, bgs., mines 100 lbs. 2.45 - —
bbls., mines 100 lbs. 3.80 - —
10% pine tar, bgs., mines. 100 lbs. 3.65 - —
washed, NF, bot lb. .11 - —
Sulphur dichloride, dms., c.l., works, frt. equald lb. .03½- —
l.c.l., same basis lb. .04¼- —
tankcars, same basis lb. .03¼- —
liquid, com'l, cyls., works lb. .09 - —
multi unit cars, works lb. .0535- —
tanks, works lb. .045 - —
refrigeration, cyls., l.c.l., dlvd. lb. .20 - .36
Monochloride, 55-gal. dms., c.l., frt. equald lb. .03½- —
l.c.l., same basis lb. .04¼- —
tanks, same basis lb. .03¼- —
Sumac leaf, 28%, bgs., ex-dock, short-ton. 135.00 - —
ground, same basis ton. 135.00 - —
Superphosphate, run-of-pile, under 22% a.p.a., pulv., bulk, Balto unit-ton. .86 - —
Carteret, N. J. unit-ton. .82 - —
triple, 48% or more, a.p.a., pulv., bulk, East Tampa, Fla. unit-ton. .87 - —
Sweet basil, California, bgs lb. 1.10 - 1.15
imported, bgs lb. .48 - .49

T

2,4,5-T, dms., c.l., works lb. 1.60 - —
l.c.l., works lb. 1.65 - —
Isopropyl ester dms. c.l., works. lb. 1.70 - —
l.c.l., works lb. 1.75 - —
Talc, dom. ordinary, grd., Calif., bgs., c.l., works ton. 25.00 -35 00
Vermont off color, bgs., c.l., works ton. 14.00 - —
l.c.l., works ton. 17 50 - —
fibrous, New York, grd., bgs., c.l., works ton. 25.00 -30.00
l.c.l. ton. 28 00 -35.00
99.5%, 325 mesh, bgs., c.l., works ton. 27 00 —
l.c.l., works ton. 30 00 -32.00
imp. Canadian, grd., bgs., c.l., mines ton. 15.25 -35.00
Tallow, edible, tanks, dlvd lb. .09 Nom.
inedible, extra lb. .06¾- —
fancy lb. .03¾- —
special lb. .06¼- —
No. 1 lb. .05¼- —
sulphonated, 25%, dms., l.c.l lb. .07 - .07½
50%, dms., c.l lb. 10 - .10½
Tamarind, W.I., bbls lb. .11 - .12
Tankage, animal, feeding, 9-11% mon., bulk unit-ton. 6.25 - —
Chicago unit-ton. 6.50 - —
Tansy leaves bls lb. .25 - .30
Tapioca flour, high grade, ex whse., bgs lb. .08½- .09
medium grades, ex whse., bgs lb. .08 - .08¼
Java, ex whse., bgs lb. .07½ Nom.
Tar acid oil, 15-18%, dms., c.l., frt. equald gal. .50 - —
l.c.l., same basis gal. .52 - —
tanks, same basis gal. .40 - —
25-28%, dms., c.l., same basis. gal. .56½- —
l.c.l., same basis gal. .58½- —
tanks, same basis gal. .46½- —
Tar acid oil, 50-53%, dms., c.l., same basis gal. .72½- —
l.c.l., same basis gal. .74½- —
tanks, same basis gal. .62½- —
Tar, coal (see Coaltar).
Pine (see Pinetar).
Tarragon herb, bgs lb. .45 - .50
Leaves, bgs lb. .65 - .70
Tartar emetic, tech., gran. or powd., bbls., kgs lb. .56 - .59
dms. lb. .57 - .60
USP, powd., bbls., dms., kgs lb. .61 - .62
Terpin hydrate com'l bbls., c.l lb. .24½- —
l.c.l. lb. .25 - .25½
NF, cryst., fib. dms lb. .70 - .75
powd., fib dms lb. .75 - .80
Terpineol alpha (see A).
commercial, dms., c.l., South lb. .13½- —
l.c.l., South lb. .14 - —
extra, dms lb. .48 - .50
prime, dms lb. .36 - .43
Terpinglycol ether, dms., c.l., works. lb. .23½- —
l.c.l. works lb. .25½- —
tanks, works lb. .22 - —
Terpinyl acetate, extra, cns., dms. lb. .55 - .70
prime, dms lb. .55 - .60
Propionate, dms lb. 1.75 - 2.00
Terra alba (see Gypsum).
Testosterone, USP, 100 gms., bots. gm. 1.90 - —
Propionate, USP, 100 gms., bots. gm. 1.90 - —
Tetrachloroethane, dms., works lb. .12½- —
Tetrachloroethylene, tech. (see Perchloroethylene).
USP, 55-gal. dms., works lb. .20½- .21½
smaller, dms., works lb. .23½- .25
Tetraethyl orthosilicate, dms., c.l., works lb. .71 -
l.c.l. lb. .72 -
Pyrophosphate, 40%, cns., dms., dlvd lb. .714 -
Tetraethylenepentamine, dms., c.l., dlvd., E lb. .57½-
l.c.l. dlvd. E lb. .58½-
tanks, dlvd E lb. .56 -
Tetrapotassium phosphate, (see Potassium phosphate).
Tetrasadium pyrophosphate (see Sodium pyrophosphate).
Thalium metal, dlvd lb. 12.50 -1
Sulphate, 99%, bots., dlvd lb 10.50 -1
Theobromine, fib. dms lb. 4.50 -
Salicylate, fib. dms lb. 4.75 -
With sodium acetate, USP, dms lb. 4.35 -
Sodio-salicylate, fib. dms lb. 3.65 -
Theophylline, anhydrous or USP, 100-lb. dms lb. 5.00 -
Thiamine hydrochloride, USP, regular or ampul-type, fib. dms kilo. 160.00 -
Mononitrate, USP, fib. dms kilo. 160.00 -
Thiocarbanilide, dms lb .44 -
Thiodiphenylamine (see Phenothiazine).
Thiophene, dms., c.l., works lb. 1.99¾-
l.c.l., same basis lb. 2.00 -
Thiouracil, dms., works lb. 5.50 - 5
Thiourea, tech., dms., c.l., works. lb. .43½-
l.c.l., works lb. .45½-
Thorium nitrate, cs, works lb. 3.60 -
Threonine dextro laevo, bots., 1-kilo lots kilo. 700.00 -
Thyme, French, bgs lb. .20 -
Spanish, bls lb. .08 -
Thymol, fib. dms lb. 3.60 - 3.
Iodide, NF, dms lb. 9.30 - 9.
Timbo root (see Cube root).

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Ascorbic Acid • **Vitamin A** • **Biotin**
acetate and palmitate synthetic

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Riboflavin-5'-phosphate sodium • Riboflavin-5'-phosphate diethanolamine

Sodium Ascorbate • **Panthenol**

Pyridoxine • **Thiamine**
hydrochloride — hydrochloride and mononitrate

Niacin • ***dl*-alpha-Tocopherol** • **Niacinamide**
acetate and unesterified

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HOFFMANN-LA ROCHE INC.
NUTLEY 10, N. J.

Pacific Coast: L. H. BUTCHER CO., San Francisco
Los Angeles, Seattle, Portland, Salt Lake City

In Canada: Hoffmann-La Roche, Ltd., Montreal, Que.

Tin Chloride—Vitamin D

n chloride, stannous, anhyd., dms. works	lb.	.96½-	.99½
Crystals, hydrous, bgs., bbls., works	lb.	.80¾-	—
Metal	lb.	1.21½-	—
Oxide, dms	lb.	1.23 -	1.24
Sulphate, stannous, bbls	lb.	1.09 -	1.11
Tetrachloride, anhyd., dms., works.	lb.	.89 -	.90
tanium dioxide anatase, chalk resistant, bgs., c.l., dlvd.	lb.	.21 -	.21½
l.c.l., dlvd.	lb.	.22 -	.22½
regular, bgs., c.l., dlvd	lb.	.21 -	.21½
l.c.l., dlvd.	lb.	.22 -	.22½
ceramic, bgs., c.l., dlvd	lb.	.21 -	.21½
l.c.l., dlvd	lb.	.22 -	.22½
metallurgical, natural, granular, bgs., c.l., f.o.b., Jacksonville, Fla	ton.	110.00 -	—
c.l., Niagara Falls, N. Y.	ton.	127.50 -	—
5 tons, same basis	ton.	132.50 -	—
ton lots, same basis	ton.	137.50 -	—
(Milled, $7.50 per ton higher.)			
rutile, non-chalking, bgs., c.l., dlvd. E	lb.	.23 -	.23½
l.c.l., dlvd. E	lb.	.24 -	.24½
Hydride, cns., works	lb.	7.95 -	9.00
Pigment, calcium-rutile, base, bgs., c.l., dlvd	lb.	.06 -	.08½
Titanium dioxide and pigment in bbls., ¼c. higher, Pac. coast, c.l., dlvd. L.c.l., ex whse., ½c. higher.			
Tetrachloride, tech., dms., c.l., works	lb.	.45½-	—
l.c.l., works	lb.	.48½-	.56½
tankcars, works	lb.	.44½-	—
olidin base, distilled, kgs	lb.	1.30 -	—
olu balsam, cns., dms	lb.	4.85 -	5.90
oluene (see Toluol).			

Toluol coaltar industrial and nitration tanks, works:—			
Bethlehem, Pa	gal.	.32 -	—
Birmingham dist	gal.	.30 -	—
Chicago dist	gal.	.33 -	—
Cleveland dist	gal.	.32¾-	—
Geneva, Utah	gal.	.26 -	—
Hamilton, Ohio	gal.	.32 -	—
Johnstown, Pa	gal.	.30 -	—
Lackawanna, N. Y.	gal.	.33 -	—
Lone Star, Tex	gal.	.35 -	—
Lorain, Ohio	gal.	.31 -	—
Minequa, Colo	gal.	.32 -	—
Philadelphia Pa	gal.	.33½-	—
Pittsburgh dist	gal.	.30 -	—
Sparrow's Point, Md.	gal.	.32 -	—
Syracuse, N. Y.	gal.	.30½-	—
Terre Haute Ind	gal.	.33½-	—
Wyandotte, Mich	gal.	.34¼-	—
Youngstown, Ohio	gal.	.30½-	—
Petroleum, industrial, 2° tanks works:—			
Albany, N. Y.	gal.	.33 -	—
Bayonne, N. J.	gal.	.33 -	—
Baytown, Tex	gal.	.31 -	—
Chicago, Ill	gal.	.33 -	—
Detroit, Mich	gal.	.33 -	—
Philadelphia, Pa	gal.	.33 -	—
Providence, R. I.	gal.	.33 -	—
Wood River, Ill	gal.	.33 -	—
Tonga, 50%, bark and vine, bls.	lb.	.75 -	.80
Tonka beans, Angostura, cks	lb.	1.75 -	1.80
Brazilian, Surinam, cs	lb.	1.00 -	1.25
Totaquine, 100-oz lots, cns	oz.	.42 -	—
Toxaphene, dms, c.l., works	lb.	.23 -	—
truckloads, works	lb.	.23 -	—
ton to truckloads, works	lb.	.26 -	—
less than ton lots, works	lb.	.29 -	—
Triacetin, dms., c.l., dlvd. E	lb.	.55 -	—
l.c.l., dlvd. E	lb.	.56 -	—
tanks, dlvd. E	lb.	.53½-	—

Tributyl citrate, tech., dms., c.l.	lb.	.40½-	—
l.c.l.	lb.	.41½-	—
tanks	lb.	.39 -	—
Phosphate, dms., c.l., frt. alld.	lb.	.51¾-	.63½
l.c.l., same basis	lb.	.52¾-	.64½
smaller containers	lb.	.50 -	—
Tributylamine, dms., c.l., works,	lb.	.73½-	—
l.c.l., same basis	lb.	.75 -	—
tanks, same basis	lb.	.72 -	—
Trichlorobenzene dms., c.l., works, frt. alld.	lb.	.12½-	—
l.c.l., frt. alld	lb.	.13½-	—
tanks, frt. alld	lb.	.11 -	—
Prices in the West 1¾c. higher.			
Trichloroethane, dms., c.l., works	lb.	.13 -	—
l.c.l., works	lb.	.13½-	—
tanks, works	lb.	.11½-	—
Trichloroethylene, dms., c.l., or truckloads, works, frt. equald.	lb.	.11 -	—
dlvd. E.	lb.	.12½-	—
l.c.l., works, frt. equald	lb.	.11½-	—
dlvd. E.	lb.	.13½-	—
tanks, works, frt. equald	lb.	.10 -	—
dlvd. E.	lb.	.11 -	—
Tricholine citrate, 65% solut., ret. cbys., works, frt. adjusted.	lb.	1.40 -	1.45
Tricresyl phosphate coaltar, dms., c.l., dlvd.	lb.	.36¾-	—
l.c.l., dlvd.	lb.	.37¾-	—
tanks, dlvd.	lb.	.35 -	—
petroleum, dms., c.l., dlvd.	lb.	.36¾-	—
l.c.l., dlvd.	lb.	.37¾-	—
tanks, dlvd.	lb.	.35 -	—
Triethanolamine dms., c.l., frt. alld. E.	lb.	.26¼-	—
l.c.l., same basis	lb.	.27¼-	—
tanks, same basis	lb.	.24½-	—
Triethylamine dms., c.l., works, frt. alld. E.	lb.	.45½-	—
l.c.l., same basis	lb.	.46½-	—
tanks, same basis	lb.	.43¾-	—

Triethyl citrate, tech., dms., c.l.	lb.	.37½-	—
l.c.l.	lb.	.38½-	—
tanks	lb.	.36 -	—
Phosphate dms., works, c.l.	lb.	.38 -	—
l.c.l., same basis	lb.	.39 -	—
tanks, same basis	lb.	.37 -	—
Triethyleneglycol dms., c.l., frt. alld., E.	lb.	.23¼-	—
l.c.l., same basis	lb.	.24¼-	—
tanks, same basis	lb.	.21½-	—
Triethylenetetramine, dms., c.l., dlvd. E.	lb.	.48½-	—
l.c.l., dlvd. E	lb.	.49½-	—
tanks, dlvd. E	lb.	.47 -	—
Trimethylamine, 25-40%, dms., c.l., works, frt. equald, 100% basis	lb.	.38 -	—
l.c.l., works, frt. equald, 100% basis	lb.	.38½-	—
tanks, works, frt. equald., 100% basis	lb.	.33 -	—
Tripentaerythritol, bgs., c.l., works.	lb.	.36½-	—
l.c.l., same basis	lb.	.39½-	—
Triphenyl phosphate, bbls., c.l., frt. equald	lb.	.37 -	—
l.c.l., frt. equald	lb.	.38 -	—
Triphenylguanidine, bbls., works	lb.	.90 -	—
Tripoli, air floated, bgs., c.l., works.	lb.	.02 -	—
double grd., bgs., c.l., works	lb.	.0185-	—
single-grd., bgs., c.l., works	lb.	.0175-	—
Tripropyleneglycol, dms., c.l., frt. alld.	lb.	.26¼-	—
l.c.l., frt. alld	lb.	.27¼-	—
tanks, frt. alld	lb.	.24½-	—
Trisodium fluoroacetate (see sodium fluoroacetate tribasic).			
Trisodium phosphate (see Sodium phosphate tribasic).			
Trypsin, pharmaceutical, 1:80 dms., works	lb.	5.00 -	—
Tryptophane, dextro-laevo, fib. ctns. works	kilo.	132.00 -	198.00
Tuba root (see Cube root).			
Tungsten metal, powd., 99.9%, dms. works	lb.	7.75 -	—
Turmeric root, Alleppey, bgs.	lb.	.10½-	.11
Haitian, bgs.	lb.	No prices.	
Jamaica, bgs.	lb.	No prices.	
Madras, bgs.	lb.	.09 -	.09½
Turpentine, gum and wood (see Protective Coatings market, Naval Stores).			
Tyrothricin, USP, bots	gram.	1.00 -	1.10

U

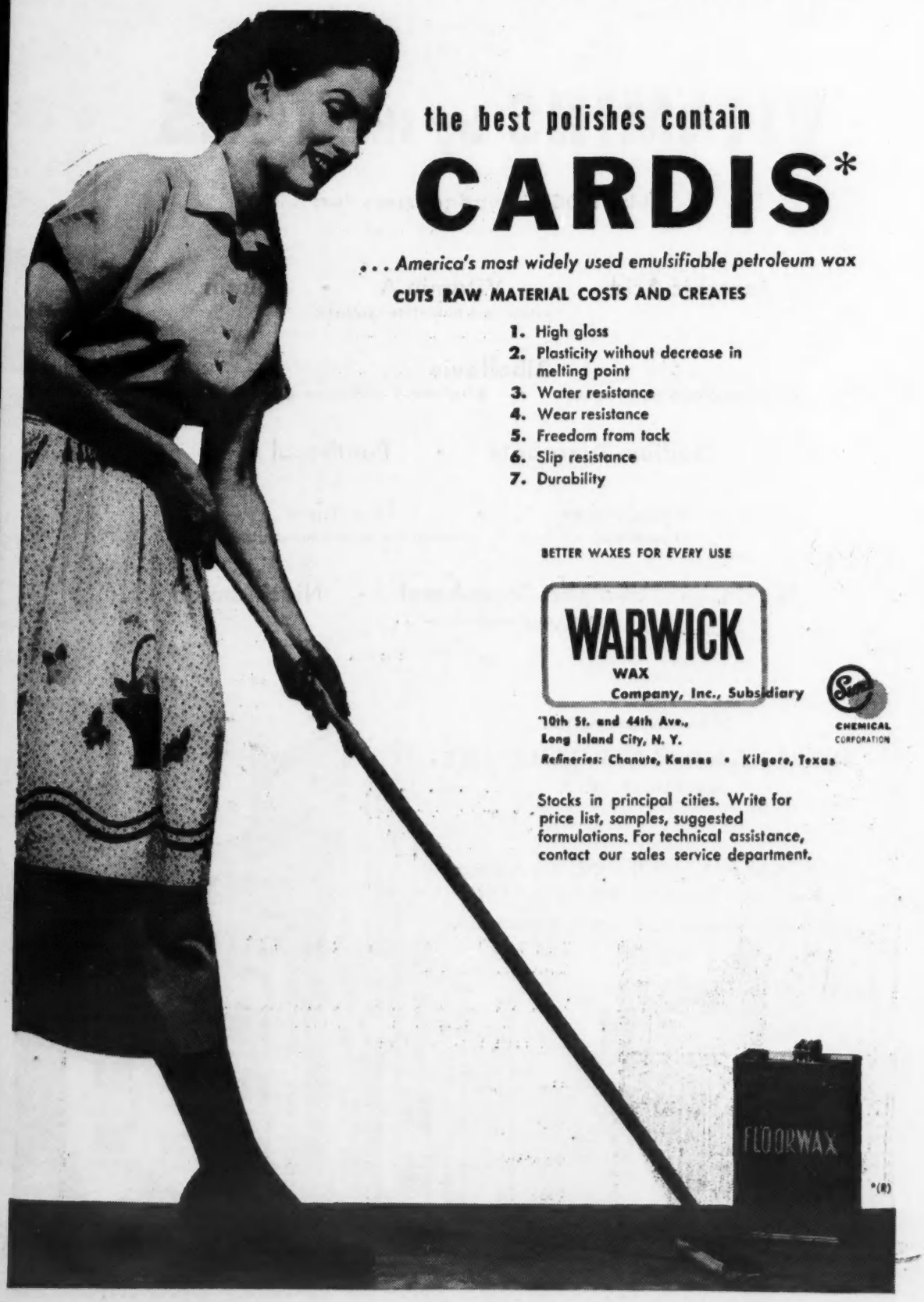
Urethane, USP dms	lb.	1.50 -	—
Unicorn root, false (see Helonias root) True (see Aletris root).			
Uranium oxide, black, bgs	lb.	2.35 -	—
yellow, kgs	lb.	1.65 -	—
Urea, dom., 46%, N bgs., c.l., wks.	lb.	.05½-	—
l.c.l., works	lb.	.06 -	—
44% N, bgs., c.l., 30 tons, frt alld. Kan., Neb., N. Dak., Okla., S. Dak., Tex., and east	ton.	142.00 -	—
l.c.l., dlvd	ton.	146.00 -	—
Urea-ammonia liquor, A and B grades, N basis, tankcars, Belle, W. Va	ton.	120.00 -	—
C and D grades, tankcars, same basis	ton.	118.50 -	—
37 grade, tankcars, same basis.	ton.	147.50 -	—
Uva ursi leaves, bls	lb.	.08 -	.10

V

Valerian root, Belgian, NF, bls.	lb.	.40 -	.50
Valine, dextro-laevo, dms., works.	lb.	21.00 -	27.50
Valonia beards, 40-42% tannin, bgs., ex dock	ton.	84.00 -	85.00
cups, 28-30% tannin, bgs., ex dock.	ton.	66.00 -	—
extract, powd., bgs., ex dock, duty extra	lb.	.09½-	—
Vanadium pentoxide, CP, bgs., cns, contract, works	lb.	7.00 -	—
tech., dms., works	lb.	1.28 -	1.33
Vanilla beans, Bourbon, tins	lb.	2.75 -	3.25
Mexican, cuts, tins	lb.	3.20 -	3.45
whole, tins	lb.	4.00 -	4.50
Tahiti, cs.	lb.	2.40 -	2.50
Vanillin, ex eugenol, tins, 25 lbs.	lb.	5.50 -	7.00
smaller lots	lb.	5.55 -	7.25
ex guaiacol, tins, 25 lbs	lb.	3.00 -	—
smaller lots	lb.	3.05 -	3.15
ex lignin, tins, 25 lb. lots	lb.	3.00 -	—
smaller lots, tins	lb.	3.05 -	3.15
Vinyl acetate, 55-gal. dms., c.l., works.	lb.	.20¾-	—
l.c.l., works	lb.	.21¼-	—
tanks, works	lb.	.19¾-	—
Butylether, normal, tech., dms., c.l., works	lb.	.28 -	—
l.c.l., works	lb.	.30 -	—
tanks, works	lb.	.27 -	—
Ether (see Ether divinyl).			
Ethylether, tech., dms., c.l., works.	lb.	.28 -	—
l.c.l., works	lb.	.30 -	—
tanks, works	lb.	.27 -	—
Isobutylether, tech., dms., c.l., works.	lb.	.28 -	—
l.c.l., works	lb.	.30 -	—
tanks, works	lb.	.27 -	—
Methylether, cyls., works	lb.	.30 -	—
tanks, works	lb.	.27 -	—

Cylinders are sold outright, or if shipped against deposit, a free period of 60 days is allowed; and if empties are returned prepaid and in good condition within that period, full refund is made.

Trichloride, (see Trichloroethane).			
Pyridin, ret. dms., works	lb.	1.65 -	—
Viosterol, in alcohol, 1,000,000 D units per gm., bots., lots of 10 billion USP units, 1,000,000 units.		.025 -	—
lots of 1 billion USP units, 1,000,000 units.		.03 -	—
lots of less than 1 billion USP units 1,000,000 units.		.035 -	—
in natural vegetable oil, 400,000 to 1,000,000 D units per gm bots., lots of 100 billion USP units, 1,000,000 units.		.02 -	—
lots of 1 billion USP units, 1,000,000 units.		.025 -	—
lots of less than 1 billion USP units, 1,000,000 units.		.03 -	—
Vitamin A, synthetic, acetate, crystalline, beads, 500,000 A units per gm			
1,000,000 units.		.17 -	—
liquid, in oil, 1,000,000 A units per gm			
1,000,000 units.		.15 -	—
natural, concentrates (see Oil, fishliver).			
palmitate, liquid, 1,000,000-1,800,000 A units per gm.			
1,000,000 units.		.13 -	—
in oil, 1,000,000 A units. per gm	1,000,000 units.	.15 -	—
B_1 (see Thiamine hydrochloride).			
B_2 (see Riboflavin).			
B complex, natural (see Rice bran concentrate and Yeast).			
B_6 (see Pyridoxine hydrochloride).			
B_{12}, crystalline, gm. or 5 gm. vials	gram.	350.00 -	—
C (see Acid, ascorbic).			
D (see Oils, codliver and fishliver, Calciferol and Viosterol).			



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6. Slip resistance
7. Durability

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*(R)

Vitamin D₂ (see Calciferol).
E (see Alphatocopherol and Oil, wheatgerm).
G (see Riboflavin).
H (see Biotin).
K, Active (see Menadione).
K_{1}, 25 gm. bots.....gram. 4.50 - —
Violet methyl toner (see Blue, methylviolet toner)
V.M.&P. naphtha (see Petroleum naphtha).

W

Wahoo root bark, bls.....lb. 1.75 - 1.80
Tree bark, bls.....lb. .75 - .90
Warfarin, 0.5%, dms., 50 lbs., f.o.b. N. Y. or Chicago lb. 1.95 - —
25-49 lbs., same basis.....lb. 2.05 - —
5-24 lbs., cns., same basis lb. 2.15 - —
Wattle bark, fair average, or E. Afr., bgs., ex dock ton.103.00 - —
merchantable, bgs., ex dock.ton.100.00 - —
extract, liquid 35% tannin, bbls., works lb. .11 - .11½
solid, E. Africa, 61% tannin, bgs., ex dock, duty extra, lb. .11½- —
S. Africa, 62%, tannin, ex-dock, duty extra..lb. .11¼- —
Wax amorphous (see Wax microcrystalline).
Bayberry, bgs., spot ..... lb. .55 Nom.
Bees, bleached, USP, bricks, cs.lb. .76 - .77
slabs, bgs .....lb. .75 - .76
crude, African, bgs.....lb. .46 - .48
Brazilian, bgs ..... lb. .70 - .72
Central American, bgs .....lb. .64 - .65
refined, yellow, bricks, cs..lb. .64 - .65
slabs, bgs.....lb. .63 - .64
Candelilla, crude, bgs..... lb. .75 - .77
refined, bgs.....lb. .77 - .79
Powdered candelilla, 20 mesh, 5c. per lb. extra; 80 mesh, 5½c.; 100-200 mesh, 6c.
Carnauba, chalky, bgs., ton lots. lb. .88 Nom.
North Country, No. 2, bgs., ton lots..lb. .95 - .96
No. 3, crude, bgs., ton lots..lb. .90 - .92
refined, bgs., ton lots....lb. .95 - .97
yellow, No. 1, bgs., ton lots..lb. 1.20 - 1.22
No. 2 .....lb. 1.18 - 1.20
Powdered carnauba price differentials same as powdered candelilla.
Esparto, African.....lb. .30 - .32
Japan, bgs.....lb. .32 - .35
Microcrystalline, 170°-175° m.p., ASTM, amber ctns., 20,000 lbs. group 3, works lb. .14 - —
Less than 20,000 lbs., same basis lb. .15 - —
170°-175° m.p., ASTM, black, ctns., 20,000 lbs., same basis lb. .12½- —
Less than 20,000 lbs., same basis lb. .13½- —
white, ctns., 20,000 lbs., same basis lb. .25 - —
less than 20,000 lbs., same basis lb. .26 - —
180°-185° m.p., ASTM, amber, ctns., 20,000 lbs., same basis lb. .16 - —
less than 20,000 lbs., same basis lb. .17 - —
black, ctns., 20,000 lbs., same basis..lb. .14½- —
less than 20,000 lbs lb. .15½- —
white, ctns, 20,000 lbs., same basis..lb. .27 - —
less than 20,000 lbs., same basis lb. .28 - —
190°-195° m.p., ASTM, amber, ctns., 20,000 lbs., same basis lb. .20½- —
less than 20,000 lbs., same basis..lb. .21½- —
black, ctns., 20,000 lbs., same basis lb. .19 - —
less than 20,000 lbs., same basis..lb. .20 - —
white, ctns., 20,000 lbs., same basis lb. .33½- —
less than 20,000 lbs., same basis..lb. .34½- —
Montan, dom., refined, bgs.....lb. .31 - .32
German, crude, bgs.....lb. .14 - .15
Ouricury, ref., bgs.....lb. .78 - .80
Paraffin (see P...
Spermaceti, blocks, cs.....lb. .27 - .29
cakes, cs.....lb. .28 - .30
Sugar cane, crude, imp.....lb. .43 - —
ref., dom., works.....lb. .85 - —
spot .....lb. .87¼- —
White lead (see Lead., white).
White pine bark, rossed, bls....lb. .18 - .20
White precipitate, USP, powd., dms., lb. 5.00 - —
Whiting, limestone, dry-grd., 99.5% 325 mesh bgs., c.l., works. ton. 6.00 -10.00
smaller lots, works..ton. 6.50 -15.00
wet-grd., bgs., c.l., works..ton.16.00 -30.00
smaller lots, works.....ton.21.00 -35.00
Paris white, bgs., c.l.....ton.24.00 -31.00
l.c.l. .....ton.25.00 -40.00
Precipitated, bgs., c.l.....ton.18.00 -20.00
l.c.l. .....ton.25.00 -35.00
Wild cherry bark, thick, natural, bls..lb. .06 - .07
thin, natural, bls.....lb. .17 - .19
rossed, bls.....lb. .19 - .22
Ginger (see Snake root, Canada).
Indigo root, bls.....lb. .30 - .31
Yam root, bls.....lb. .16 - .17
Witch hazel leaves, bls.....lb. .20 - .22
Woodflour, 40 mesh, bulk, c.l., works, East..ton.32.00 - —
l.c.l., same basis.....ton.36.80 - —
60 mesh, bulk, c.l., same basis.ton.37.00 - —
l.c.l., same basis.....ton.42.00 -55.00
80-100 mesh, bulk, c.l., same basis. ton.45.00 -50.00
l.c.l., same basis.....ton.51.75 -57.50
Woodflour in bgs. extra, returnable.
Woolfat, crude (see Degras). USP (see Lanolin).
Wormseed, American, bgs.....lb. .14 - .16
Levant, bgs.....lb. 4.25 - 4.50
Wormwood leaves, bls.....lb. .35 - .45

X

Xanthorrhiza root, bls.....lb. .28 - .30
Xylene (see Xylol).
Xylenol, cryst., 56°-58°C. m.p., ret. dms., c.l., works, frt. equald. lb. .193 - —
l.c.l., same basis.....lb. .196 - —
tanks, same basis.....lb. .18 - —
45°-47°C, dms., c.l., same basis. lb. .153 - —
l.c.l., same basis.....lb. .156 - —
tanks, same basis.....lb. .14 - —
fractions, over 7°C. b.r., except meta, dms., c.l., same basis. gal. 1.31 - —
l.c.l., same basis.....gal. 1.34 - —
tanks, same basis.....gal. 1.20 - —
meta fraction, over 7°C., dms., c.l., same basis..gal. 1.46 - —
l.c.l., same basis.....gal. 1.49 - —
tanks, same basis.....gal. 1.35 - —
Xylidins, mixed, dms.....lb. .39 - .50
Xylol, coaltar, industrial, tanks, works
Bethlehem, Pa.....gal. .33 - —
Birmingham district...gal. .30¼- —
Chicago district.....gal. .33½- —
Cleveland district.....gal. .33 - —
Geneva, Utah.....gal. .25 - —
Hamilton, Ohio.....gal. .32 - —
Johnstown, Pa.....gal. .31 - —
Lackawanna, N. Y....gal. .33 - —
Lone Star, Tex.....gal. .35 - —
Lorain, Ohio.....gal. .31 - —
Minequa, Colo.....gal. .34 - —
Philadelphia, Pa.....gal. .33 - —
Pittsburgh district...gal. .30 - .33
Sparrows Point, Md...gal. .33 - —
Syracuse, N. Y.....gal. .30½- —
Terre Haute, Ind.....gal. .35 - —
Wyandotte, Mich.....gal. .34¼- —
Youngstown, O.....gal. .30½- —
Petroleum, indust., tanks, Albany, N. Y...gal. .33 - —
Bayonne, N J.....gal. .33 - —
Baytown, Tex.....gal. .31 - —
Chicago, Ill.....gal. .33 - —
Philadelphia, Pa....gal. .33 - —
Providence, R. I.....gal. .33 - —
Wood River, Ill.....gal. .33 - —

Y

Yara yara, cns.....lb. 2.23 - 2.63
Yeast, brewer's, dry, USP, 50 Int'l B units per gram, 100-lb. dms..lb. .47 - —
90 Int'l B units per gram, 100-lb. dms..lb. .52 - —
200 Int'l B units per gram, 100-lb. dms..lb. .56 - —
300 Int'l B units per gram, 100-lb. dms..lb. .60 - —
Yellow barium chromate, CP, bgs., l.c.l., dlvd. N. of Tenn. and N. C., E. of Miss., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul .lb. .33 - —
Barium chromate yellow price differentia in other States and city zones are those for chrome yellow below.
Benzidin, AAA, bbls., dlvd....lb. 1.91 - —
AAOT, bbls.....lb. 2.06 - 2.15
Cadmium, CP, all shades, bbls., frt. alld., E. of Rockies.lb. 3.20 - —
lithopone, all shades, bbls., frt. alld., E. of Rockies..lb. 1.32 - —
Cadmium yellows, Los Angeles, and San Francisco, ex whse., 1c. per lb. higher.
Chrome, CP, bbls., dlvd. N. Tenn. and N. C., E. of Miss., including Davenport, Minneapolis, Rock Island..lb. .32 - —
Dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c. higher); Miss., N. C., S. C., Penna., Dallas, Tex., 1¼c. higher; Ft. Worth, Tex., 1½c. higher; El Paso, Tex., 2c. higher; Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.
Hansa, 10 G, bbls., same basis as chrome..lb. 2.03 - 2.15
G, pigment, bbls.....lb. 1.91 - 2.03
Iron oxide, natural, bgs., c.l., works..lb. .0141- .0250
l.c.l., works.....lb. .0166- .0275
French type, bgs., c.l.....lb. .04½- —
l.c.l. .....lb. .04¾- —
Peruvian type, bgs., c.l...lb. .0165- —
pure, bgs., c.l., works.....lb. .10 - —
l.c.l., works.....lb. .1025- —

Vitamin D_2—Zinc Chloride

Yellow mercury oxide, bbls., 1,000 lbs..lb. 4.15 - —
smaller, lots .....lb. 4.17 - —
Ocher American golden, bgs., works lb. .01¼- .02¾
Zinc (chromate), bbls., dlvd....lb. .2375- .27
basic, dlvd. .....lb. .2365- .30
Yellow dock root, bls.....lb. .18 - .19
Yellow xanthorrhiza (see Xanthorrhiza).
Yerba santa leaves, bls .....lb. .28 - .30
Yohimbine hydrochloride, bots., tins. oz. 4.75 - 5.25

Z

Zein, bgs., 30,000 lbs. lots, works lb. .53 - —
1,000-lb. to 30,000-lb. lots, works lb. .40 - —
smaller lots, works..... lb. .43 - —
Zinc acetate tech. bbls. dms. works. lb. .26¾- .28½
NF VIII, dms..... lb. .53 - —
Borate, bgs., c.l., dlvd. E.....lb. .192 - —
l.c.l., dlvd. E .....lb. .202 - —
Carbonate, rectified, powd., dms. lb. .26 - —
tech, rubbermakers bgs, works. lb. .15½- .16½
precipitated, powd., dms lb. .26 - —
Chloride, tech., fused, dms., c.l., works..100 lbs. 9.60 - —
l.c.l., works .....100 lbs.10.00 - —
gran., fib., dms., c.l., works. 100 lbs.10.60 - —
l.c.l., works.....100 lbs.11.00 - —

—Continued on page 61

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13 Leather Belting
14 Leather Finishes and Dressings
15 Leather Packing
16 Lubricant for Ironers and Presses
17 Lubricant for Thread and Cord
18 Matches
19 Mold Lubrication
20 Paper Coating
21 Paper Impregnating
22 Paper Sizings
23 Phonograph Records
24 Polishes
25 Printing Inks
26 Protective Coatings
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Pesticidal Aspects of Point Four

The biggest and, in many ways, the best field of opportunities for useful cooperation of business with government is that of the internationally directed program of technical cooperation known as Point Four. A bigger role for business in that program has been urged by outstanding business leaders of particular qualifications in the broader reaches of foreign trade. In presenting their advocacy of such a role for business, those men made it quite clear that, long before the idea represented in Point Four had been advanced, the relations of United States business with the governments, businesses, and peoples of other lands had contributed much to the improvement of the commercial and social economies of those countries. They felt—and their belief was quite well justified—that still more could be done in that connection if business were given an opportunity to cooperate with and extend the efforts of the government in the direction of useful aid to underdeveloped or currently handicapped nations.

The businessmen behind that suggestion felt that the program of aid should be continued in the spirit expressed by the late Henry Garland Burnett, who said, when he accepted the post of Administrator of the Technical Cooperation Program, that the undertaking was a "simple, down-to-earth program designed primarily to assist other peoples in increasing their food production, bettering their health conditions, and improving their educational systems." The businessmen averred that those goals must be recognized as a combination for the general betterment of living conditions. They did not join with the United States Council of the International Chamber of Commerce in its reported declaration that governmental assistance to Europe should be limited to lend-leasing of military materiel made in this country or under contractual relations with NATO countries. But they did urge that, although the development of overseas markets and sources of raw materials was not, as the United States Secretary of State had said, the primary purpose of the program, the mutually beneficial results of some measure of such development were desirable.

Business has been doing more than a little—largely by way of government—to promote the purposes of Point Four. Much, for example, has been contributed by the drug industry toward the success of the program's endeavors in the direction of improvement of health. That has had a concomitant consequence which has increased the need for assistance at another point—the providing of a sufficiency of food. One of the biggest problems facing the administration of Point Four and the similarly purposed programs of the United Nations and various other countries is presented by the growth of population in the countries receiving aid. Of course that problem is aggravated by the improvement of the health of the increasing population. Much has been done, more is being done to increase the agricultural efficiency of the needy peoples. Technical education has been more necessary than material aid, insofar as the preparation and use of potentially arable regions are concerned. Another aspect of the crop-production problem calls at least as much for material aid as it does for technical assistance. That is the meeting of the enormous, often centuries-old threat of destruction by insects and other pests. There is a place where United States business can be of great help. United States insecticides are being used against the locust plagues in various parts of the Middle East. United States technic, especially in aerial application, is being used extensively. The plague has been particularly heavy in Iran. But the need for many pesticides spreads far in all directions from that region.

The attention of United States manufacturers of pesticides has been called especially to the needs for such materials in the Philippines. Conditions are very bad in several parts of Africa, where much attention is being given by British manufacturers. An informative report on field studies in eastern Africa has been published. A large contractual undertaking has been started by a British concern in an attempt to fight the cocoa virus menace in the Gold Coast. Expansion of activities is in progress in the International Red Locust Control Service which has its headquarters in Abercorn, Northern Rhodesia.

Business can do a big and good job in the global pesticidal warfare which is a must in the big problem of feeding the peoples of the earth. It should be given every opportunity to do that job, starting now.

Looking at 'Wonder Drugs'

"Tell it to the world" is today's most popular slogan. It is causing more than a little embarrassment and worse in all sorts of areas. In no small measure, that condition derives from what some wise ancient referred to centuries ago when he said:—The trouble with what most people know is that the larger part of it is not so.

Those who keep even one eye on such things have no difficulty then in seeing why the president of the fifth annual assembly of the United Nations World Health Organization recently spoke a caution against premature and unrestricted publicity for so-called "wonder drugs." The WHO official was quite moderate in his designating of such publicity as "disturbing." He was closer to reality when he called the large part of the use of the designation, "wonder" misleading and conducive to harm while a new drug was still in an experimental stage.

The grabbing of "wonder drugs" for all sorts of purposes reached enormous proportions with reference to vitamins. It has gone far and wide with antibiotics which are being given a more or less fitting role in all areas of the purview of the food, drug, and cosmetic law—although the Food and Drug Administration has been reported to have drawn the line against penicillin in chewing-gum.

The expansive use of antibiotics in the feeding of poultry and food animals is disturbing those who have a scientific interest in the application and effects of those drugs. They are apprehensive lest the ingestion of food from such sources may lead to undesirable or worse cases of sensitizing. Studies are being directed also to the use of amino acids in similar feeding. Interest in new fatty acid derivatives reported to be similarly effective in feeds has several promotive factors.

In connection with antibiotics and other newer drugs, serious study is being given to the physicochemical aspects of their administration: even the compression of tablet forms is said to be important. Another investigated angle is the, perhaps allergic, untoward effects of certain antibiotics on intestinal functioning.

Development of resistance to the therapeutic properties of new drugs is a matter of serious consideration in scientific circles. One of the latest reports in that connection, attributed to researchers for the Long Island Biological Association, is that tuberculosis germs develop resistance to isonicotinic acid hydrazide.

But, the wonder of wonders, chlorophyll, goes on and on. Its roles, already ranging from toothpaste to toilet-paper, bid fair to outnumber those of the whole vitamin family.

For the Bookshelf

BACITRACIN—By the research division of S. B. Penick & Co. Cloth; 127 pages, 11 figures, 31 tables. Published by S. B. Penick & Co., 50 Church street, New York 8, N. Y. $4.00.

This is a review and digest of the literature on bacitracin up to and including January, 1952. The purpose of the book is to make available for use a review of the data which have accumulated on the clinical usefulness of bacitracin and to direct attention to the potential of this drug based upon its known synergistic action with other antibiotics. The last chapter, entitled "Summary, Bacitracin on the Antibiotic Horizon," gives an interesting resume of the properties of bacitracin.

Washington Talks It Over

—*Continued from page 5*

mendously profitable to farmers. Whereas the normal investor would consider himself quite fortunate if he received a 10 percent annual return on an investment, farmers can expect from 200 to 800 percent return each year from their investment in fertilizer. This extraordinary return and its effect on net farm profits still are not widely recognized. This is the point that we in the fertilizer industry must put over if we are to move the greatly increased supply of fertilizer that will soon be available."

Civilian Goods in Ample Supply

There doesn't seem to be any shortage of civilian-type durable goods, according to a survey of retail store stocks just completed by the NPA Administrator for Civilian Requirements. The supply situation appears comparable to that which existed prior to Korea, and what few cases of difficulty in obtaining certain items that were turned up in the survey, appeared to be mostly local in character.

Not only are supplies ample, but in many instances, inventories of television sets and furniture and some major appliances such as refrigerators, washing machines, clothes dryers and electric ranges, were more than ample in relation to current sales. Public buying is cautious, although it was somewhat better during the first quarter of this year than in the final quarter of 1951.

The period of apparent surplus, however, could change rapidly, according to the survey, if, as officials continue to warn, there is a release of the tremendous buying power which is continuing to build up as a result of the armanent program. A work stoppage in production of steel, possible loss of some copper imports, or continued shortages of certain chemicals used in the manufacture of civilian-type products could also cause a rapid change in the picture, it is said.

Defense Buying Policy Attacked

The Office of Defense Mobilization has been receiving so many protests lately against the way its "Defense Manpower Policy No. 4" is working out that it is being forced to make some changes in the mechanics of the program. This policy proposes that defense contracts shall be placed in communities with surplus manpower problems even though the work can be done cheaper elsewhere, but it is being interpreted so strictly by the procuring agencies that small firms are being hurt thereby. They, in turn, are burning up the wires to their congressmen with protests and demands for changes.

It is expected that what ODM will do is to issue a modifying interpretation of the "policy" so that large firms in surplus labor areas will not receive preferential treatment over low-bidding small firms located outside these areas. In other words, the "policy" is to place the contracts in areas where there is an excess of labor, but the procurement officers don't have to follow it if it means giving the work to a big concern.

Enough complaints have been brought to the attention of the house small business committee in recent weeks to cause that committee to take a very dim view of the whole idea of the program. The committee says that the demonstrated effect of DMP-4 on small business is only one aspect of the doubtful wisdom of the entire policy. With thirty-seven distress areas already certified, the question arises whether the preferential treatment accorded these areas will not tend to create distress conditions elsewhere.

The emphasis which DMP-4 places on employment dislocations caused by the defense production program, the committee notes, does not properly account for the long-range economic trends in certain localities.

Pilots Get Drug Warning

The Civil Aeronautics Administration is warning aircraft pilots again against the use of amphetamine drugs. The Director of Air Services of Canada is joining CAA in the warning, as a result of two recent fatal accidents in England involving pilots who were dieting and taking dexedrine in efforts to lose weight.

Amphetamine and its derivatives, such as benzedrine and dexedrine, are used principally to stimulate the central nervous system and, in obesity, to control the weight. Shortly after the last war, CAA had occasion to warn pilots against taking certain of the new drugs and the crashes in England is the occasion for renewing the warning. Dr. W. R. Stovall, chief of the CAA medical division, explains as to the amphetamine drugs that it is the action on the central nervous system that may cause dangerous effects in pilots.

"Whether or not any dangerous effect will result from these drugs depends upon the dosage taken and the susceptibility of the individual to the drug," he said. "We believe that pilots should be warned against taking the larger dosages of these drugs such as given for obesity. These drugs may not be safe even in small dosages, for they increase anxiety and excitability and might thereby cause a pilot to react inappropriately in a situation of stress."

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Heavy Chemicals

Antimony metal was priced lower last week. The decline was the second recorded during the month and represents a total reduction of 11 cents per pound. Reduced producing costs and foreign competition were factors contributing to the downward revision. Cadmium remained quiet and unchanged at the late price decline. Allocation of blister copper has been turned over to NPA by the Defense Materials Procurement Administration. Lower prices recently established for lead brought out improvement in buying interest but the late decline in silver had no important influence on demand. Selenium continued exceedingly scarce with no apparent sign of easement.

Specialties commanded increased buying interest in the heavy chemical market last week but the overall picture revealed no evidence of important expansion in sales. Ammonium bicarbonate was purchased more freely for use in the chrome leather tanneries and sodium sesquicarbonate commanded more attention for compounding requirements. Wet weather dampened the demand for calcium chloride in the local surrounding areas but inquiry was active from other sections. Chlorine continued available on spot although producers were not inclined to consider future contracts. Soda ash and caustic soda were readily obtainable for immediate or future shipment with no significant expansion in buyer interest. Carbon tetrachloride has continued to improve its supply position. Antimony based chemicals have not reflected the decline in the metal price to date. Sulphuric acid was offered freely for prompt shipment and the entire acid list showed no important shortages.

Paper production based on a percentage of six-day capacity was 90.0 percent for the week ending May 17, according to the American Paper and Pulp Association. This compared with 91.8R in the preceding week and 102.0 for the corresponding week in 1951.

Ammonia Liquor—Production in March amounted to 4,315,411 pounds, according to the Bureau of Mines. February output was 3,980,103 pounds and in March last year production amounted to 4,132,256 pounds. Total production for the first quarter was 12,573,276 pounds, against 12,166,879 for the corresponding period in 1951. Sales in March were placed at 3,894,155 pounds, compared with 3,589,475 in the preceding month and 3,185,255 pounds in March 1951. Total sales for the first quarter were 10,739,126 pounds, against 8,384,758 for the same time in 1951. Stocks on March 31 were 2,343,938 pounds, compared with 2,593,789 on February 29 and 2,161,508 pounds on March 31, 1951.

Ammonium Bicarbonate — Slight improvement in demand was reported from the leather industry where chrome tanning is employed. The cracker bakeries were also buying for current wants. Stocks adequate to meet demand.

Arsenic—Demand from the glass plants has not varied greatly and is described as steady. The inquiry for insecticides is not very active at present but may pick up later in the season. It was stated that the carryover in calcium arsenate was rather heavy and producers have not been eager to increase inventories until the weevil infestation in the cotton areas is determined. Meanwhile, the supply situation remains comfortable.

Calcium Chloride—Wet weather lessened the active call for shipments around the local area but otherwise demand continued active and fully up to the seasonal average if not a bit above. The supply situation so far has been able to level off requirements without difficulty.

Carbon Tetrachloride—Consumer requirements are being supplied without difficulty owing to an improved supply condition. Last year at this time producers were allocating stocks but this practice was discontinued some time ago.

Chlorine—Spot stocks continued available from producers last week and the market trend appeared to be toward further easement. Judging from the number of cancellations reported, the overall demand is losing some of its urgency but producers have not attained the position to date where they care to consider new contracts.

Cobalt Sulphate — Bureau of Mines placed February gross weight production at 30,921 pounds, against 74,450 in the preceding month. Shipments in February amounted to 60,149 pounds, compared with 64,980 in January. Stocks on February 29 were 40,750 pounds, against 69,978 at the close of January. Total production last year was 675,025 pounds.

Copper Sulphate—No significant expansion in the agricultural demand was reported last week. Maine buyers remained in the market, which is somewhat early for these interests. Demand held at its high level for industrial use, with shipments to the petroleum refineries resumed at an almost normal rate. The export demand was broad and active, with exporters finding difficulty in locating stocks. The overall supply position remained definitely tight with some material available for June shipment. An 18,000,000-pound quota was established for second quarter exports of copper sulphate, including basic and tribasic by OIT.

Potash, Caustic—Market conditions were not altered materially last week. Producers were still in a position to accept orders for immediate or forward shipments, while consumer demand was conservative and not of the urgent type.

Potassium Carbonate—There appeared to be adequate stocks on hand to meet the current extent of consuming demand. Business passing was not of heavy dimensions with no apparent increase in the call from glass plants.

Potassium Chlorate—Still available for prompt shipment, which is something that cannot be said of sodium chlorate. Demand from match factories continued down and it is presumed that their inventories are still maintained at working levels.

Potassium Cyanide—Producers are moving this material on the basis of 55c. per pound in 500-pound lots and at 57c. in lots less than 500 pounds f.o.b. works. Some imported material is said to be available below these prices.

Potassium Permanganate—Improvement in supply conditions is noted and domestic consumers are having requirements satisfied. The tendency of stocks is toward betterment, although suppliers are not in a position to consider export orders at present.

Soda Ash—Industrial demand has shown no important increase so far this month. The tonnage movement is off compared with a year ago and is somewhat below producers' expectations. Stocks have increased and supply conditions are favorable for both immediate and forward shipments.

Soda, Caustic—Producers' stocks are described as long at present and quite a bit above current requirements. The outlook has improved to some extent by the resumption of activities at petroleum refineries after a temporary strike. No increase in demand was reported from other sources. Shipments for immediate and future were readily available in both the liquid and dry forms.

Sodium Antimoniate—Decline in the metal has not been reflected in the antimoniate market to date, although it is believed that a reduction in price is in order. Carlots were priced at 38c. per pound and l.c.l. at 39c. delivered East at the close of the week.

Sodium Cyanide—Producers are selling this material in flake form on the basis of 16.8c. per pound for 20,000 pound lots or more, 17.8c. for 1,000 pound lots or over and 18.8c. for 100 pounds or more f.o.b. the works. Granular is priced at 1c. per pound above flakes.

Sodium Sesquicarbonate—Increased demand was noted last week. It was stated that sales broadened substantially for use in compounds. There was no shortage of stocks.

Sodium Sulphydrate—According to the

For Late Market Developments, See Page 4

Market Trends

Prices Advanced
None
Prices Reduced
Antimony metal, 5c. per lb.

Comparative Price Indexes

General Chemicals
(100=August 1, 1914)

Last week	Prev. week	Last month	July 1, 1950	May 25, 1951
249.2	249.2	249.2	223.4	244.9

Acids
(100=August 1, 1914)

Last week	Prev. week	Last month	July 1, 1950	May 25, 1951
124.1	124.1	124.1	121.9	126.1

(For Current Prices see Page 9)

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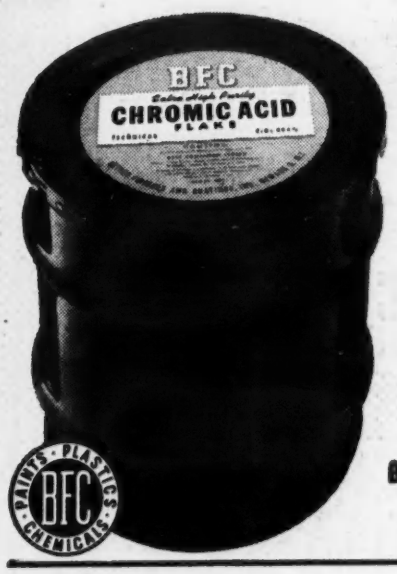

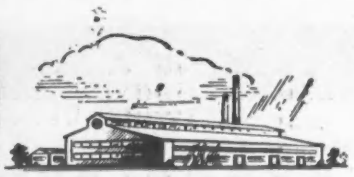

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Census Bureau, production during February amounted to 1,130 tons, compared with 1,170 in the preceding month.

Sulphur—Market supply position continued definitely tight with a slight increase noted in inventories. Demand remains exceedingly heavy with no sign of easement in sight at present. Arrivals from Japan are expected to reach between 5,000 to 6,000 tons over the first six months of this year.

Real Compania Asturiana de Minas, S. A., is building a pilot plant in Torrelavega, Santander, Spain, to recover sulphur from zinc-blende sulfides, using the process of a Canadian company. The plant is expected to be ready for production by the end of 1952 and will have a capacity of about 20,000 metric tons of sulphur annually. The firm is controlled by a Belgian mining company.

Zinc Cyanide—Stocks not excessive but meeting consumer requirements promptly. Producers quote 52.3c. per pound, 1,000 pounds or over, and 52.3c. for under 1,000 pounds f.o.b. the works.

Acids

Formic—Stocks adequate to meet current demand which followed rather spotty lines. Textile mills have not shown much important interest of late and the market has remained a relatively quiet affair.

Muriatic—Continued in liberal supply with demand holding at fair dimensions and not having much influence on the availability of stocks. Prompt and forward shipments were offered at current prices.

Nitric—Maintenance of production is keeping stocks readily available for prompt shipment. Demand described as steady with former prices fully sustained.

Oxalic—No material improvement in the extent of consuming demand. Small lot sales have featured the market with stocks ample to meet current requirements.

Sulphuric—Some improvement in demand from petroleum refineries but no noticeable increase from other directions. Supply position continued comfortable, with immediate shipments available.

A plant at Rieme Selzaete, Belgium, produces sulphuric acid at an annual rate of 70,000 metric tons, using gypsum as the raw material, states the foreign press. The factory was built in 1938 and is a subsidiary of the French company Etablissements Kuhlmann.

Nonferrous Metals

Aluminum—Regarding the expanded facilities for output, a prominent producer stated that this production can be readily sold and maybe quite a lot more. It was also asserted that the market in normal times will be able to absorb the 3,000,000 pounds that industry will produce within two years. The long range demand was described as favorable because of an attractive price position, greater familiarity with aluminum, new and improved alloys and processes and wider availability of the metal. From the short-term standpoint, there is an apparent easing of the aluminum shortage, because the stretch-out of the military program has reduced current defense needs.

Antimony—Priced lower at 39c. per pound, bulk in carlots at the mines. This is the second decline for the month and represents a total reduction of 11c. per pound. Lower producing costs occasioned by the recent decline in the ore market were factors instrumental in bringing down antimony prices.

Copper—Allocation of blister copper has been turned over to NPA by the Defense Materials Procurement Administration. The action, taken in an amendment to NPA Delegation No. 5, is designed to include the metal under the definition of copper raw materials in NPA Order M-16 and to provide for its allocation, along with other copper raw materials, for the production of copper chemicals. (Delegation 5, Amendment 1, effective immediately).

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good demand since the late decline in price and have been able to dispose of their intake from day to day. While some business has been booked for June shipment, it was stated that most of the orders are for immediate delivery which suggests that consumer inventories are low. No new price developments were announced.

Lead Scrap—Secondary lead smelters continued their high rate of recovery in February, according to the Bureau of Mines. Although the total tonnage of lead, tin and antimony reclaimed (42,591 tons) was 4 percent lower than in January (44,327 tons), the average daily rate increased from 1,430 to 1,468 tons. Smelters' receipts of lead-base scrap and residues dropped 23 percent in February but consumption declined only 4 percent. Battery-lead plates received at smelter plants dropped from 48,437 tons in January to 36,804 tons in February and were responsible for a large part of the decrease in intake. However, other types of scrap also contributing to the decline were common babbitt, antimonial and cable lead and type metals. Only in solder scrap, soft lead and solder dross were increased receipts reported. Total receipts of scrap of 52,954 tons, while not quite as high as the average monthly rate in 1951, were about 3,700 tons greater than in February of 1951.

Quicksilver—Buying interest did not increase to any appreciable extent last week. A moderate exchange of small lots was about the best that the market offered. The price range extended from $200 per flask for 100 flask lots upward to $206 for single flasks.

San Francisco.—Buying interest continued to lag throughout the week although metal quotations lowered to $207 per flask as stocks remained limited. Relatively little change has been noted on the market here since the earlier part of the year.

Selenium—No improvement in supply conditions could be noted. Stocks are exceedingly scarce with the major part of production moving into government channels.

Silver—Buying interest for silverware still slow regardless of the sharp decline in prices recorded this month. The market closed unchanged at 84c. per ounce.

Tin Scrap—Receipts of tin-base scrap in February gained only a few tons over the preceding month but smelters consumed about 42 percent more and their stocks declined 5 percent by the end of the month according to the Bureau of Mines. Receipts of tin babbitt exceeded the quantity used whereas just the reverse was true in the other large item, scruff and dross. Total consumption of 765 tons against receipts of 685 tons reduced stocks from 1,640 to 1,560 tons at the end of the month.

Zinc—Mine production of recoverable zinc in the United States in March increased 3 percent over the February output and was the highest monthly output since March, 1949, according to the Bureau of Mines. March zinc production totaled 60,765 tons compared with 59,098 tons in February and a monthly average of 56,592 tons in 1951. The average daily rate of production, however, was less than the daily rate in February—1,960 tons compared with 2,038 tons in February. Mines in states East of the Mississippi River produced 17,414 tons of recoverable zinc in March, 7 percent more than the February total. March production was higher in all of the regions except Southern Illinois and Kentucky where a 4 percent decrease occurred. Zinc output from the west central states of Arkansas, Kansas, Missouri, and Oklahoma was 8,552 tons, or practically the same as in the previous month with increased production from Kansas compensating for decreases from Oklahoma and Missouri. In the combined western states March zinc production totaled 34,799 tons, slightly higher than in February.

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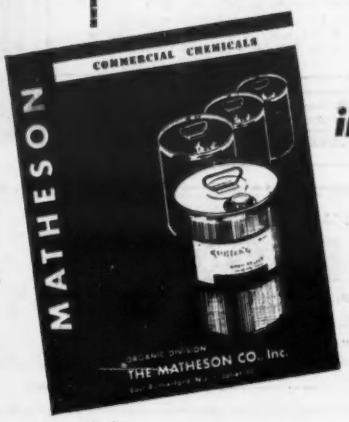

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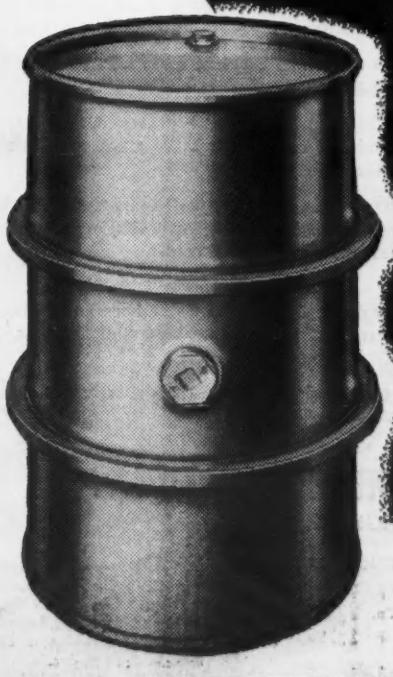

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Scientists Should Participate In Politics, N. J. AIC Advised

Scientists, trained to think straight and to analyze facts, should participate more fully in political life, Dr. Frederick A. Hessel, national treasurer of the American Institute of Chemists, advised the New Jersey chapter of the institute at a meeting held May 22 at the Winfield Scott hotel, Elizabeth, N. J. The meeting was marked by the presentation of the first honor scroll of the chapter to Dr. Hessel.

Unfortunately, Dr. Hessel said in accepting the award, many people do not take the trouble to evaluate facts in their proper setting. He pointed out that they accept "packaged thinking" and let their minds be made up about everything from breakfast cereals to international affairs. Scientists, he felt, should be able to apply to questions of the day their ability to correlate data and reach a sound working hypothesis.

N. Y. Purchasing Agents Name Officer Nominees

The nominating committee of the Purchasing Agents Association of New York has presented a slate of candidates for office to serve during the 1952-53 term. The nominess, who will be voted on at the annual meeting of the association, to be held June 17 at the Builders' Exchange Club, New York, are as follows:—

President, John F. Snedeker, Binney & Smith Company; first vice-president, Michael D. MacBurney, Barrett Division, Allied Chemical & Dye Corporation; second vice-president, Stanley W. MacKenzie, United States Rubber Company, and treasurer, Edward B. Fielis.

Edward M. Krech, of J. M. Huber Corporation, and William G. Hold, of American Brake Shoe Company, have been nominated for three-year terms on the executive committee.

Cellulose Acetate Operations Being Resumed by Celanese

Production of cellulose acetate flake at the textile yarn plants of Celanese Corporation of America is being resumed after a halt since April 13, H. C. Givens, jr., manager of acetate plant operations for the company, announced last week. The Celco, Va., plant began flake manufacturing operations May 19. The Cumberland, Md., plant starts up this week, and the Rock Hill, N. C., plant will resume production in the near future.

"Inventories of acetate flake have been considerably reduced in the last few weeks," Mr. Givens said, "and it is now felt that such stocks of semi-finished materials should not be allowed to fall any lower. Meanwhile, shipments of acetate filament yarn and staple fiber continue to improve."

Electrochemical Firm Head

Robert S. Burns has been named president of Western Electrochemical Company, Culver City, Calif., succeeding Kenneth Walsh, who has been elected chairman of the executive committee. Mr. Burns has served as general counsel and a director of the company since 1944. Mr. Walsh has been president of Western Electrochemical since its organization in 1941.

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Aluminum Expansion Seen Offering No Sales Problem

I. W. Wilson, president of Aluminum Company of America, Pittsburgh, Pa., last week said that the aluminum industry would probably be "scratching for more production capacity" when the nation's economy returns to normal, rather than worrying about what to do with its aluminum supply.

Speaking before a meeting of the New York Society of Security Analysts, Mr. Wilson asked:—"Can we sell all this aluminum we are gearing up to produce?" His reply to that was, "Yes—and maybe quite a lot more." He expressed confidence that "aluminum has only begun to realize" its ultimate potentials.

As to short-term aluminum supply, Mr. Wilson said there is an "apparent easing of the aluminum shortage" which had prevailed for some months. He indicated three main reasons:—

1. The stretch-out of the military program, which has reduced current military needs.

2. Mal-distribution of aluminum as a result of the inflexibility of allocations under CMP.

3. The bringing into production of new capacity under the industry's expansion program.

Matheson Has New Price List for Small-Lot Buying

The Matheson Company, East Rutherford, N. J., has issued a new price list covering small lots of commercially available chemicals. Its compilation has been undertaken in conjunction with some of the larger chemical manufacturers, in order to relieve them of the nuisance of handling the shipment of small quantities of their industrial chemicals.

Hercules Issues Paper Data

A small folder describing the advantages of using "Kymene" wet-strength resin to obtain better wet-strength paper bags is available from Hercules Powder Company, Wilmington, Del. In addition to a sample of bag paper containing "Kymene" taken from a commercial run in a mill, the folder includes test data. This data was obtained from tests on the bag paper included in the folder and is compared to government specification UU-S-486.

H. N. Baumann Receives 1952 Schoellkopf Medal

Henry N. Baumann, jr., whose high temperature microscope has enabled scientists to watch the transformation of materials in a furnace, received the 1952 Jacob F. Schoellkopf medal of the American Chemical Society's western New York section at a dinner May 20 in the Niagara hotel, Niagara Falls, N. Y. More than 200 chemists, chemical engineers and industrialists of the Niagara Frontier joined in paying tribute to Mr. Baumann, who is senior engineer in the research and development division of the Carborundum Company, Niagara Falls.

Chemistry in the atomic age will be largely the chemistry of high temperatures, Mr. Baumann predicted in his award address. Jet and rocket-powered aircraft which operate at exceedingly high temperatures have created problems which are now being solved by researchers in this field of chemical science, Mr. Baumann said. Several new products made from strong, lightweight metals such as titanium and zirconium "are coming into being" as a result of high temperature research, he reported. Such studies may also lead to improved abrasives and heat-resistant materials, he said.

Stepan Co. Completes First In Series of New Buildings

The first of a series of planned structures on the Stepan Chemical Company's ten acre tract in Chicago's central manufacturing district has been completed. According to Alfred C. Stepan, Jr., president and founder of the company, the new building located at 3250 South Kedzie avenue will house the firm's general and sales offices as well as a pilot plant section and research laboratories. The present plant at 1353 North North Branch street in Chicago will continue to be operated, and the additional space provided by the move will be devoted to expanded facilities in the production of surface active agents.

Foote Mineral Company Ups Spodumene Holdings

Ernest G. Enck, secretary of Foote Mineral Company, Philadelphia, has announced the purchase of surface rights to approximately thirty-seven acres of land adjoining their Kings Mountain holdings in North Carolina. This tract is a portion of the Park Yarn Mill to which the Foote Mineral had acquired mineral rights in October, 1951. This latest acquisition will add to the already sizable deposits of high grade spodumene which the Foote company is currently mining at this location. Spodumene is a basic raw material for the production of lithium chemicals.

Trade Briefs

Stewart P. Wands has been named special assistant to the director of price operations of the Office of Price Stabilization.

Owens-Illinois Glass Company has announced that its Kimble Glass division at Vineland, N. J., will begin construction this month on a glass tube and rod manufacturing unit.

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Agricultural Chemicals

Feed demand in the midwest was broad enough to advance the price of dried blood at Chicago but there was no change in New York last week. Tankage was fractionally higher under a limited increase in buying interest. Inquiry for both grades of bone meal broadened sufficiently to check the declining tendency of the market. There was no activity in hoof meal. Menhaden meal was quiet with sellers naming the ceiling price but admitting that this figure might be shaded when the market becomes active. There was plenty of imported fish meal waiting to be moved and more expected to arrive. Limited offerings of castor pomace were purchased by the fertilizer trade, where demand has been kept active by the acute scarcity of nitrogenous process tankage.

One of the largest producers of potash has been granted an increase in the ceiling price by OPS but until conclusive action is taken by OPS regarding other applications for ceiling prices now pending, it will meet the price of standard grade muriate offered by the majority of the domestic industry. Superphosphate remained tight and firm with a tendency upward in the local area. The super situation abroad is entirely different in as much as about every producing country has ample stocks of super to offer. Three cargoes of sodium nitrate are expected to arrive from Chile by the end of the week. No indication of easement could be noted in ammonium nitrate or sulphate.

Market Trends

Prices Advanced

Dried blood, Chicago, 25c. per unit of ammonia.
Tankage, 25c. per unit of ammonia.

Prices Reduced

None

Comparative Price Indexes

(100—August 1, 1914)

Last week	Prev. week	Last month	July 1, 1950	May 25, 1951
93.2	93.2	92.5	82.2	87.1

(For Current Prices see Page 9)

Fertilizer Materials

Ammonium Sulphate — March production of coke-oven ammonium sulphate was placed at 161,417,189 pounds by the Bureau of Mines. February production was 146,794,540 pounds and in March, 1951, output amounted to 151,663,920 pounds. Total production for the first quarter was 461,799,636 pounds, compared with 433,168,371 for the same time in 1951. Sales in March were 169,883,562 pounds, against 168,374,898 in the preceding month and 175,659,663 pounds in March, 1951. Total sales for the first quarter amounted to 498,466,830 pounds, compared with 504,187,197 for the corresponding period in 1951. Stocks on March 31 were 41,568,763 pounds, against 52,089,502 on February 29 and 41,139,334 pounds at the close of March in 1951. The market continued firm with supplies definitely tight.

Bone Meal—Sales showed moderate expansion last week although the market revealed no new price changes. Both feed and fertilizer interests took on some stocks.

Castor Pomace—Limited offerings were taken by the fertilizer trade at $37.25 per ton in bags, carlots, works. The acute scarcity of nitrogeneous process tankage is keeping demand active for castor pomace.

Dried Blood — Sales in Chicago were made at $6.50 per unit of ammonia which is an advance of 25c. The New York market was unchanged at $6.50 with trading slow.

Fish Meal — Menhaden fishing operations reported to have started on the lower Atlantic coast. Trading quiet but leaning toward expansion. The ceiling price is $2.26 per unit of protein.

Phosphate Rock — Domestic contract shipments have maintained a steady seasonal average so far this month while the supply situation has continued comfortable. It was stated that stocks in Japan are sufficient to meet current requirements and there is no disposition to increase holdings at present. Meanwhile, the export market is quiet.

Potassium Muriate—OPS has granted a 2½c. per unit advance to one of the major producers and it is expected that similar action will be granted others. The increase in this instance establishes the market at 44½c. per unit of K_2O f.o.b. Carlsbad, New Mexico effective May 16. The producer states, however, that until conclusive action has been taken by OPS regarding other applications for higher ceiling prices now pending, it will meet the price on 60 percent standard grade muriatic offered by the majority of the domestic industry.

Sodium Nitrate—Three cargoes of Chilean nitrate are now afloat and are expected to land at Lake Charles, Mobile and Camden by the end of the month. The current market is definitely tight under short stocks and heavy demand.

Superphosphate — Supply position remained tight with shipments in most instances being made on time. The local market was firm with a distinctly upwar tendency. A 2c. increase in the ceilif price at three points in New Jersey ar Pennsylvania was announced by O.P.S. e fective May 23. Story on another page i this issue.

Domestic production of superpho phate during March totaled 927,776 sho tons for normal, 66,468 tons for conce trated, and 5,906 tons for wet-base gooc according to the Bureau of the Censu Compared with the amounts produc last month, these figures show an i crease of 7 percent for normal, 3 pe cent for concentrated, and 2 percent f wet-base goods. Quantities produced f the period January through March, 19 increased by 1 percent for normal a concentrated grades and declined by percent for wet-base goods from the cor sponding 1951 totals. Shipments of n mal superphosphate totaled 16 perce greater than the amounts shipped l month, while those for concentrated creased 2 percent. Quantities shipp during the first quarer of 1952 were 2 p cent less for normal and 5 percent m for concentrated than the amounts ported for the corresponding period 1951. Stocks on hand for all three gra declined during the month and inv tories for concentrated and wet-base go were approximately 13 percent less as March 31, 1952, than for March 31, 19

Final total of stocks held at the close March were:—normal 882,600 tons, tri 59,804 and wet-base 10,817 tons.

Tankage—Feed demand was sligh more active last week and the mar recorded a fractional advance. Local s pliers reported sales at $6.25 per unit ammonia, Chicago named $6.50.

Los Angeles Market

Los Angeles, May 21.—Activity remained mal during the week with an overall tend to taper off somewhat as the local market tered more of a slack seasonal period. S plies remained adequate to meet demand though in some instances incoming shipm were slightly behind schedule. In the majo prices continued firm with no changes repo Imported fish meal offerings were down 2c. unit of protein, over the previous week's tations, as reflected below.

Ruling prices were:—Ammonium nitr $83.50 per ton, domestic, f.o.b. Los Ang $84.55 per ton for Canadian material, f.o.b. Angeles.

Ammonium phosphate—$73.99 per ton in 16/20 grade, f.o.b. Los Angeles. $93.49 per in bags, 11/48 grade, f.o.b. Los Angeles. Canadian material.

Ammonium sulphate—$54.87 per ton in f.o.b. Los Angeles. $3 less in bulk. Cana material same.

Blood meal—$5.50 per unit of ammon source. Bone meal—$83-$85 per ton, impo 1/65 meal, c.i.f., Los Angeles Harbor.

Calcium nitrate—$51 per ton, 15½ pe nitrogen, c.i.f., Los Angeles Harbor.

Fish meals—$146.90 per ton nominal f percent sardine, bulk, f.o.b. Monterey o Angeles, $135 per ton for 60 percent sacks included, f.o.b. San Pedro. $158.2 70 percent Canadian herring (U. S. Funds of entry), f.o.b. Vancouver, B. C. $126 pe imported South American tuna or herring sacks included, ex-dock.

Potassium muriate—50½c. per unit in f.o.b. Trona. Potassium sulphate—95 percent K_2SO_4, 86c. per unit, f.o.b. Tro

Pesticides

Seasonal demand for weed contro placed both 2,4-D and 2,4,5T under sure for shipment and some producer behind on deliveries as a result o many orders coming through for pr shipment. This condition is believ be of temporary existance. Unfavo weather has delayed buying of insect and in producing quarters it was that the season is about a month Dusting in the cotton areas is expect increase next month and there is no age of BHC or cotton dusts at the pr time. A brief scarcity of lindane ea the year has been relieved and prod stocks are now adequate to meet re ments. DDT is in fair demand wit supply position snugly comfortabl prospects of a tight market when th ing movement gets underway.

For Late Market Developments, See Page 4

Aviation Gas Curbs Lifted For Agricultural Protection

The Petroleum Administration for Defense modified its order No. 6 curtailing deliveries of aviation gasoline so as to provide an exemption for aviation gasoline needed in crop seeding, fertilization, or pest and weed control operations.

PAD order No. 6, which became effective May 6 in one of the first moves to conserve supplies of petroleum products that were being endangered by the strike, prohibits carrier and noncarrier air craft from accepting delivery during the subsequent twenty-eight days of more than 65 percent of the amount of gasoline they used during March. The amendment announced last week permits the acceptance of aviation gasoline in quantities necessary to carry out specified agricultural and forest-protection operations.

mer. Potash Issues Booklet

American Potash & Chemical Corporation, Los Angeles, has published an illustrated brochure describing the activities of the company. It traces the company and its products from the founding of American Potash, describes its current research and development activities, reports on the recovery of products, and discusses the marketing and uses of the company's products.

lumbia-Southern Chemical Corp. xpands Grants-in-Aid Program

An expanded grant-in-aid program designed to test new agricultural chemicals on a wide variety of crops under varying climatic and soil conditions has been announced by Columbia-Southern Chemical Corporation, Pittsburgh, Pa. Grants-in-aid will be extended this year to more than thirty universities geographically spread across the nation. During 1951 the chemical company inaugurated its grant-in-aid program at nine different universities, according to E. T. Asplundh, president.

Dow Chemical Company Develops New Miticide

Dow Chemical Company, Midland, Mich., has developed "Ovotran Wettable," a new miticide, which is said to show promise as an effective agent in mite control. The new product is described as an extremely fine wettable powder containing 50 percent parachlorophenyl parachlorobenzenesulphonate. The chemical has been known as K-6451.

Unique in several respects, "Ovotran Wettable" is said to produce outstanding destructive action to the egg stage and to have a long residual effect. The product, in fact, is claimed more effective as an ovicide than as an adulticide. As for its residual effect, it will kill mites for several weeks after application, depending upon environmental factors. According to Dow, it has low toxicity to warm-blooded animals, as well as to parasites and predators of crop pests. It is also reported to have low toxicity to insect pollenizers which are important to crop production.

Among the mites it will control are most Tetranychid species. These include citrus red mite (purple mite), European red mite, two-spotted spider mite, Pacific mite, spruce mite, oak mite and Southern red mite. Also, boxwood mite, honey locust mite, Strawberry spider (Atlantic) mite, Williamette mite, six-spotted mite, and the clover (brown almond) mite.

Another desirable quality is its chemical compatibility with other insecticides and fungicides. For example, it is compatible with such chlorinated hydrocarbons as DDT, toxaphene, chlordane, methoxychlor and lindane, with phosphates, arsenicals and lime-sulphur. Also, with zinc-lime, bordeaux mixture, fixed copper fungicides, dormant and summer oils, and with other similar compounds.

H.J. Baker Adds Casey

Edward T. Casey has joined H. J. Baker & Bro., New York. Mr. Casey was a member of the sales staff of Irving R. Boody & Co. and Wessel, Duval & Co., both New York, before joining Baker.

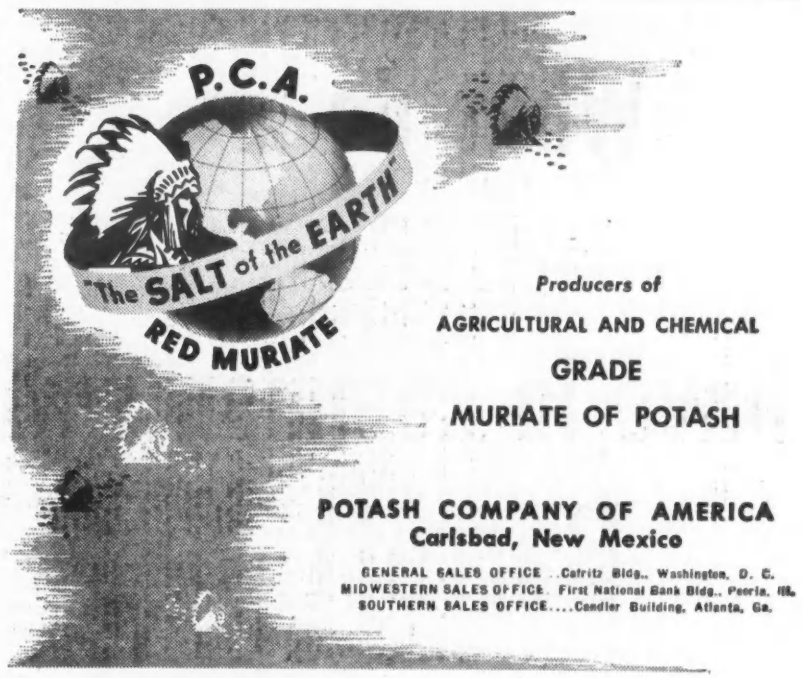
N.Y. Textile Chemists Golf June 13

The New York section of the American Association of Textile Chemists and Colorists will hold its annual outing and golf tournament June 13 at the North Jersey Country Club, Wayne, N. J.

Trade Briefs

Chipman Chemical Company, Bound Brook, N. J., is offering on request "You Can't Argue With Weeds," a booklet on chemical weed killers and how to use them.

Lewis C. Perkinson, director and treasurer for American Cyanamid Company, New York, has been elected to the advisory board of the Rockefeller Center office of Chemical Bank & Trust Company.



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Coal Chemicals

There were no price changes in the coal chemicals market last week and there was nothing to indicate that some revisions were on the way. The general slowness of business activity in coal chemicals has alerted many members of the industry for price changes. Many have asked if there were any changes in quotations of specific chemicals, but none have said that they were ready to make the change in price schedules.

The general positions, with regard to supply and demand, were maintained by virtually all of the chemicals in these markets last week. Some have eased in supply, others have grown more available. None have changed radically from what they were the previous week, or the week before that. Naphthalene continued to show less pressure on producers, however suppliers could still sell more material than they were producing. Phthalic anhydride continued to ease. Pyridin and all of the tar bases were active. The tar acids were slow. Phenol was not moving too well. The light oils were about at a status quo. Benzol moved as fast as it was being produced, but the demand was not as heavy as it had been. Toluol, although having less demand from industrial consumers, could be sold to the government for defense needs.

Effective May 19, NPA revoked the allocation controls of resorcinol. Schedule 6 to order M-45, which affected regulation of the chemical by the government since June 1, 1951, was revoked last week.

OPS is expected to issue an order this week extending SR-13 indefinitely. The extension without an expiration date was proposed at a meeting of representatives of the coal chemicals industry and agency officials earlier this month.

The American Iron and Steel Institute announced that the estimated operating rate for the week ending May 24, was 101.3 percent of theoretical capacity. This was equivalent to 2,104,000 tons of steel ingots and castings, compared to the actual production of 2,102,000 tons the previous week, and actual output of 2,087,000 tons one month ago.

Basic Products

Benzol—There was a continuation of the easing in the market for benzol. This important chemical has greatly improved in supply over the past few months. Where producers once wondered where they would get the material to fill the orders which kept pouring in, they are now anticipating that they will be able to meet all requests for benzol.

Even though the supply is markedly easier, producers reported that there was no difficulty in selling all of their output. The signs of easing take significant shape in the remodeled buying policies on the part of consumers. The buyer no longer jumps at the opportunity to obtain additional benzol. First he must know the price, location, and the shipping arrangements. Only if the conditions are satisfactory does he buy additional quantities. However, in spite of the new attitude, suppliers were certainly not handicapped by accumulating inventories. Benzol was moving well. But, the signs indicated that the market was easier.

It was felt by producers that the easier supply position could be largely attributed to consumer inventories. The falling off of demand for the majority of chemicals—in the coal chemicals market, especially the bulk of the intermediates—has allowed manufacturers of intermediates to build up adequate inventories, not only

Coal Chemicals

Total estimate of chemical recovery cokeoven operations in the week ended May 24, indicate the following output of chemicals from that source:—

Ammonia liquid, NH_3	lbs.	972,645
Ammonia sulphate	lbs.	34,993,344
Benzol	gals.	3,471,723
Coaltar	gals.	15,601,672
Creosote oil	gals.	646,556
Naphthalene, crude	lbs.	2,487,834
Pyridin, refined	lbs.	29,517
Toluol	gals.	680,289
Xylol	gals.	122,722

Market Trends

Prices Advanced
None

Prices Reduced
None

Comparative Price Indexes
(100=August 1, 1914)

Last week	Prev. week	Last month	July 1, 1950	May 2, 1951
137.0	137.0	137.0	107.5	134.

(For Current Prices see Page 9)

of the end product, but also good supp of the basic raw materials.

Most producers conceded that acti would not be greatly speeded up u consumer inventories are whittled do that is barring an extended steel str which still was a potential threat, or s such calamity to rapidly change the ing policies of consumers.

Creosote—Supplies of creosote adequate to meet the requirements of sumers. This material was moving Producers described the market as mal. It was said that consumer requ ments were fairly consistent throug the year, insofar as creosote was conc ed. Suppliers did not look for any nificent changes in this market.

Cresols—The market for these tar has not shown any signs of real increa activity. The cresols have been mo very slowly for several months now though producers have not accumul inventories to such an extent that were alarmed, suppliers do have material on hand than they have had quite some time.

The cause of the easier supply was to be the result of reduced demands particular significance to the marke cresols, was the reduction in the nu of calls from cresylic resin manufa ers. Suppliers did not anticipate an crease in activity from this direction a while, consequently there was no ch in the supply position expected in rest of this half year.

Cresylic Acid — There has bee change in the market for domestic The supply was still a little better adequate to meet immediate cons needs. The slack in this market has the outcome of continued reductio demand. The number of calls from sylic resins has been down and there little expectation of a pick up yet.

ADF acid has not shown any inclin towards more activity. The price s ules previously quoted by importers not been radically altered. Suppliers reluctant to make any further reduc since they felt that a downward re of prices would not substantially inc the volume of material sold. There been reports of material being sold the general price range of the m however, the majority of these sales thought to be distressed lots, and in cases, off-grade material.

Naphthalene—There has been rela no change in the market for dom crude naphthalene in recent weeks supply picture continued to ease. ducers said that the material was moving very well and was expect continue enjoying a greater demand the supply.

Even though the supply positi naphthalene was easier, and ther been some reduction in demand ov cent months, producers were not pa larly anxious about the course o naphthalene market. They felt tha market was still quite strong, and fu they have not yet put out of their the possibility of another halt in th duction of steel. A decision adverse seizure of the industry by the gover from the courts, could be the spark sary to rekindle this hot dispute workers again leaving their jobs. these conditions still imminent, pro of coal chemicals don't want to be in short supply of any of the che particularly the basic raw material

There was relatively little activ the market for imported crude na lene. Hot-pressed was still quoted b the range of 6 cents to 6½ cen pound. It was said that there didn' to be any 78-degree material mov less than 6 cents per pound, althoug 77-degree naphthalene was rep sold at 5 cents per pound.

Importers felt that resistance of on the American market to the pr imported material was the stumblin to more activity in the imported na lene market. The reductions in schedules which have been effecte the beginning of the year have n

For Late Market Developments, See Page 4

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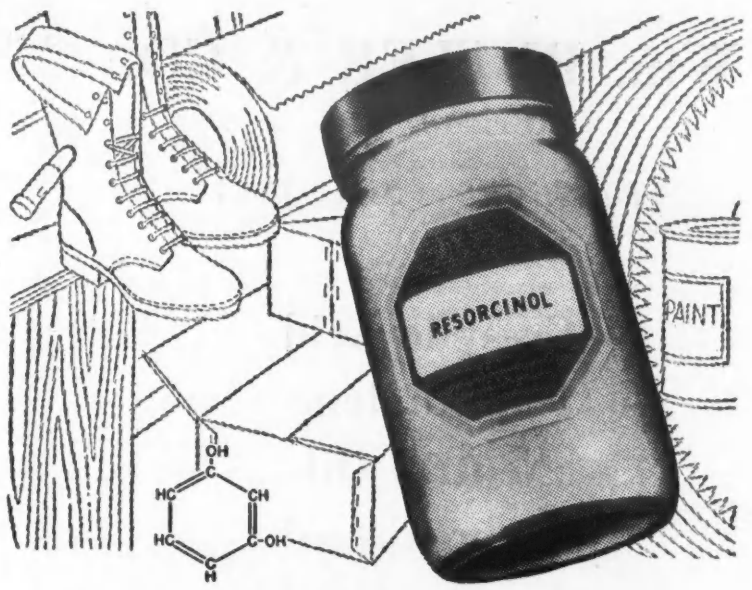
Either way—by lowering cure temperature, or reducing curing time—resorcinol produces a saving that more than offsets its higher cost.

In other combinations with phenol, or modifications of it, resorcinol may well be considered. Further, the reactive properties of the chemical are useful in other ways.

Small amounts of resorcinol-formaldehyde resin are being added to starch, which is used as an adhesive in solid fiber and corrugated box board. The resorcinol resin improves the water resistance of the starch adhesive bond.

Resorcinol is also being mixed with rubber latex to give a stronger bond between rubber and rayon tire cord.

Resorcinol has found a valuable application in the tanning of leather. After soaking in water, resorcinol-tanned leathers dry out



in a flexible condition, instead of being hard and unpliable. Resorcinol-formaldehyde resins have further found application in the finishing of leather.

For your convenience in considering resorcinol, a bulletin is available. This contains technical information on properties, reactions and applications. Write for bulletin C-2-124.

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gh to stimulate increased business ity. It was felt that the slowed pace his imported market was due to the bination of reduced demands, the imed supply position of the domestic rial, and the accumulation of adee inventories on the part of conrs.

enol—The situation in the market henol was relatively unchanged from it had been during recent weeks. lies were quite ample to take care e volume of consumer demand. The rial was moving rather slowly. Some ucers reported that there was some rial available, others said that they managed to keep their sales fairly balanced with production.

e thing on which all producers were d, the volume of consumer demand down and there were not any signs increase in activity. The inquiries phenolic resins and adhesives have been up to former levels. Demand manufacturers of dyestuff intermeand pharmaceuticals has not been ood. Producers of phenol did not pate much change in the market durhe rest of the second quarter. Prices held firmly to previous levels. There o indication of a change in price ules.

idin—The volume of activity in this et has not substantially subsided the flurry of activity encountered he past few months. Producers said ll of the tar bases continued to find markets. Much to the amazement me producers, they were still getseveral inquiries via telephone and every day, on the tar bases in conn with isonicotinic acid or its deves.

ducers did not expect that the supsition of 2 degree pyridin would ve very much in the near future. were enough uses for pyridin among rious outlets in this market to readke up the relatively small supply.

ol—This market was just about the as it had been during previous Producers said that industrial dewas down from former levels, but ack caused by decreases here could de up by moving more in the direcf the government for defense needs. loss of production from the stopn the steel industry and the strikes petroleum industry did not greatly alter the position of this market. It was felt that most consumers have adequate inventories, consequently there was no alarm or significant change in the buying policies of consumers.

Xylol—This market was unchanged last week. Most producers said that the supply was just about balanced with demand. However, there was occasionally some variance between the supply position of different producers. The general range was from slightly short supply to a little long in supply. There was no anticipation of a pick up in the solvent demand for xylol during the second quarter. Thus, producers were inclined to believe that the market would remain relatively unchanged for a while.

Intermediates

There has been a general easing in the markets for coal chemicals ever since late last fall. As the volume of business began to drop, those chemicals which had once been in critical supply gradually showed improvement in their respective positions until the majority of them were readily available.

Phthalic anhydride which was very tight for most of last year, has eased considerably. Resorcinol which was under government allocation, has finally come out from under controls. Styrene, another chemical which was in tight supply last year, was currently in adequate supply. Monochlorobenzene came into a balanced supply position as the supply of the raw materials improved. These are merely samples of coal chemicals which have improved since the year-end.

As the demand dropped off manufacturers gradually built up substantial inventories of intermediates and raw materials. In the case of some chemicals, producers had to cut back production schedules in order to avoid a build up of unwanted inventories.

The result of slowed activity in intermediates has been felt back in the markets for basic materials. Phenol and the other tar acids were not moving as well as producers would like. Toluol has not enjoyed the industrial demand which it has had formerly.

The root of these slacks in demand requirements extended to the industries of the various consumers. The textile industry is currently in one of its worst slumps, consequently dyestuff intermediates have

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suffered. The protective coatings industry has not brought out its usual call for the light oils to be used as solvents. In addition, plasticizers have not been going well, which is reflected in the market for phthalic anhydride. Cresylic resins have hurt the cresols and cresylic acid by fewer calls for the two coal chemicals.

By now, both producer and consumer have adequate inventories. Suppliers feel that there was not too much hope of increased activity in intermediates until consumer inventories are worked down to a healthy level. It was felt that the current trend leaves little change to be anticipated before the final quarter of this year.

Catechol—Supplies of this intermediate were said to be adequate to meet the needs of consumers. Business was fairly good. Producers described this market as just about normal. Both the demand and production of catechol are considered to be quite consistant. Neither seems to get very far away from the other. Therefore, there were no changes expected in this market, insofar as supply or availability were concerned. There were no indications that any price changes were expected.

Phthalic Anhydride — The market for this important intermediate has eased up quite a bit since the tight supply days of last year. Although producers were still able to move all of the phthalic which they made, there were increasing signs that the market was softer. Producers said that the easier tones to the market were nothing critical, but the market bore watching. While they were selling all of their output, it was said, they were at the same time filling up their consumers.

Much of the changeover from a tight supply to a position where consumers were able to get what they needed, was due to decreased demands, increased production, and changed buying habits on the part of consumers. In addition, the raw material, naphthalene, was in greater availability. When consumers saw that naphthalene was not growing more critically short last year, they revised their ideas of inventory needs of phthalic. Subsequently the reduced demands from industry, particularly from manufacturers of plasticizers, have further improved the supply position and the supply outlook for this anhydride.

Resorcinol—The imrovement in the supply position of resorcinol has led NPA to revoke allocation controls of this chemical. Schedule 6 to order M-45, which was effective June 1, 1951, was rescinded by NPA, effective May 19, thus ending the long period of governmental regulation of the authority of both consumers and suppliers to deliver, accept, or use the m rial.

The revocation of allocation control resulted from the combination of creased production by the major produ and the reentry into production of anc producer. Possible future increases in mand were expected to be counter anced by further increased capacit existing producers and by production a new plant by a new producer.

The present easier supply has ena producers to meet the requirement both the military and civilian industr was said that government needs were sured in the future since resorcinol subject to military DO ratings as prov under NPA Reg. 2.

Styrene—Supplies of the monomer said to be fairly good. Producers repo that demand has shown a little pic in recent weeks. It was expected tha market would finish out the mont about the same position as it was a end of January and February, which pretty steady months. At least, prod saw hope that the monomer would off the month in a little better pos than it did last month.

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extile and Leather Chemicals

ying activity in textile and leather icals continued spotty last week and ot of sizable dimensions. Edible egg nen was further advanced by the in- ed cost of production and improved nd. Flake was lifted 8 cents per d, while other grades were quotably anged. Domestic potato starch re- ed steady while shipments from Hol- were easier and fractionally lower. n American bark was firmer for re- ment and advanced $3 per ton, nia cups also were steadier and ly higher. Price index advanced 6.7 s.

mand for chemicals was slow, with ty confined to withdrawals against r contracts, while new business was and for immediate needs.

mestic potato starch continued scarce ith production negligible the market merely nominal. Increased offers of starch and quiet demand resulted fractional decline for shipments. ca starch was firm as supplies here been steadily reduced. Trading in rop replacements was still held up, porters awaited the announcement of nancial program governing exports e Brazilian government.

provement in the hide and leather t, brought out some inquiry for tan- material replacements, but trading ill limited to occasional lots for near- pment. Mangrove bark and valonia were firmer, while wattle bark was led.

ce of Price Stabilization suspended controls on raw cotton and a variety ton, wool and synthetic textiles last Ceilings were suspended at the facturing level, and include: Most arns and fabrics; cotton yarns and , including sheets, towels and bedspreads when priced under CPR ocessed synthetic and silk yarns and tic fabrics, except synthetic tire . Synthetic fabrics include those of rayon, acetate, nylon, orlon, , dynel, and glass.

nicals

ic **Anhydride**—This market was ely quiet, with stocks adequate to current requirements. Quotations haintained at former levels.

romates—Outside of a steady re- for delivery against contracts, the lacked snap. Demand for spot re- ents was slow and confined to lim- uantities. Prices remained unchang- steady.

um Acetate—Buying interest con- at a low level, as users restricted ses to immediate requirements. ions were without change.

um Hydrosulphite—Demand was gent. Supplies were available for iate shipment. Withdrawals also noderate against former contracts. were unchanged.

honated Oils—Consumers continued purchases to actual needs. Prices grades were without change. Tal- s higher, but sulphonated grades uotably unchanged.

g Materials

Albumin—Consuming inquiry ed active. Steady demand has roducers' inventories low. Quota- ere unchanged and firm at 70c. to r pound, depending upon quality antity. Soluble dried blood de- mproved to some extent. Supplies ll liberal and unchanged at 17c. to per pound, according to quantity.

Dextrin—Moderate trading was l for all grades last week. Prices nchanged and steady. Gum was at $9 per 100 pounds, paper bags, New York; canary, $8.74; dark, nd white, $8.58, same basis. Less were 15c. per 100 pounds higher.

Starch—Consuming demand was ctive, though orders were mainly mpt needs. Quotations remained Pearl was maintained at $7.10 per nds, paper bags, carlots, New York, vder, $7.31, same basis. Smaller es commanded the usual premium per 100 pounds. Visible corn sup- inued to drop, declining 2,057,000 to 42,124,000 bushels for the week May 17, against 52,663,000 bushels corresponding period last year, ac- to the Chicago Board of Trade.

lbumen—Further advances in the whites strengthened this market.

Market Trends

Prices Advanced

Egg albumen, edible, 8c. per lb.
Mangrove bark, $3 per ton.
Valonia cups, $1 per ton.

Prices Reduced

Potato starch, Dutch, ¼c. per lb.
Wattle bark, $2 per ton.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	July 1, 1950	May 25, 1951
294.6	287.9	281.6	225.1	328.1

(For Current Prices see Page 9)

Prices were lifted 8c. per pound. Flake was advanced to $1.64 to $1.66 per pound, and powder, $1.68 to $1.70, depending upon quantity. Trading was quite active, for immediate and later delivery. Technical was steady and unchanged at 98c. to $1.02 per pound, as to quantity and seller.

Egg Yolk—While albumen was stronger, yolk continued unsettled. Trading was light, chiefly for actual needs. Prices were without change, ranging from $1.06 to $1.08 per pound, depending upon quantity.

Potato Starch—Trading was restricted to spot delivery. Supplies of domestic starch were light and closely held, while Dutch starch for shipment was easier. Shipments were off ¼c. and available at 9¼c. per pound, carlots, duty paid, exdock. Domestic production continued negligible and market was a nominal affair. Carlots were nominal at 10½c. per pound, carlots, f.o.b. mills, Maine, while Idaho producers were out of the market. Supplies on spot were steady and unchanged at 10¼c. to 12c. per pound, exwarehouse, depending upon quantity and seller.

Sago Flour — Consuming demand for limited stocks on spot continued inactive. Local market was nominal and easy, reflecting the lower cost of replacements from primary sources. Shipments were quoted at 6¼c. per pound, carlots, exdock. Raw on spot was nominal at 7.35c. to 7½c. per pound, and refined, 9c. to 9¼c. per pound, as to quantity.

Tapioca Flour—This market was firm as spot stocks were limited and closely held. Trading was fair. Brazilian high grade was quoted at 8½c. to 9c. per pound, and mediums, 8c. to 8½c. per pound, exwarehouse, according to quantity. Trading in new crop flour was at a standstill as buyers awaited the announcement of the price schedule governing exports by the Brazilian government.

Tanning Materials

Chestnut Extract — Improved demand was noted as a result of increased sole leather sales. Supply condition has tightened and prices were unchanged but firm.

Cutch—Shipments remained steady at 8¼c. per pound, exdock, plus duty. Offerings continued light, with interest in replacements fairly active.

Divi-divi—Business continued slow. Offers for shipment were unchanged at $68 per pound, exdock.

Mangrove Bark—Inquiry was somewhat better, though trading was still quiet. Offers for shipments were firmer. Ecuadorian bark was quoted at $53 per ton, exdock and Colombian at $55 per ton. African was merely nominal at $78 per ton, same basis.

Myrobalans—This market was steady. Offers for shipments were unchanged, but well held. Assorted J1's named at $48.50 per ton, exdock and regular J1's at $46 per ton. Crushed remained nominal at $65 per ton, same basis.

Quebracho Extract—Trading continued spotty, with tanners restricting purchases to immediate shipment. Market remained firm at current quotations. Solid ordinary was unchanged at 11 31/64c. per pound, carlots, exdock and clarified, 12 3/16c., same basis.

Sumac Leaf—Buying interest continued slow and the market was entirely nominal. Leaf and ground were unchanged at $135 per ton, exdock.

Valonia—Market was steadier and quotations slightly higher. Trading was quiet, but offerings were closely held. Cups were quoted at $66 per ton, exdock, and beards at $84 to $85 per ton, same basis. Extract was maintained at 9½c. per pound, exdock, plus duty.

Wattle—Offers for shipment continued liberal and quotations were unsettled. Buying interest was spotty and restricted to immediate shipment. Fair average bark was quoted at $103 per ton and merchantable, $100 per ton exdock. Extract was quiet and easy. South African was nominal at 11¼c. per pound and East African, 11⅛c. per pound, exdock, plus duty.

For Late Market Developments, See Page 4

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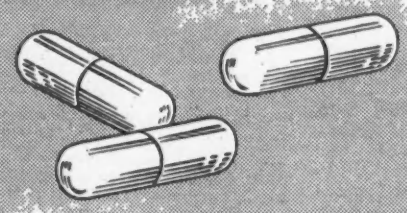

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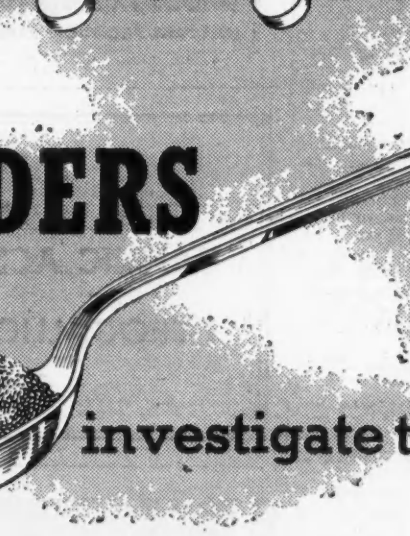

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ting the 3 cents per ounce drop in e of silver bullion in the past two second silver salt, silver cyanide, ced 2½ cents per ounce last week. ade blackstrap molasses was down tional 1 cent per gallon at most Demand was said to be at its s a- w for the feed grade. Cocoa but- down 1 cent per pound due to ons in the commodity.

te of the bulk of the 1952 Cuban ap molasses crop remained an ast week. The original offer of 20 lasses made early in the year by r Stabilization Institute was then w more than ever out of the ques- Fermentation alcohol producers rrently meeting the lowest price ion offered by synthetic producers a year. While the initial price n by one major synthetic alcohol his material to the lowest price vailing in the market, consider- ding below announced schedules e been reported. Latest reports indicate that practically all of 's blackstrap has been processed importations of inedible molasses l beet) from Cuba as of March 31 only 15,400,000 gallons. Mean- rmentation producers have cur- erations in some instances to con- lasses stocks while awaiting a the Cuban blackstrap market.

replacement costs in Japan were le for the recent jump in agar re. Production of agar in Japan as great as had been expected. ore there had been little, if any, from last year. Natural men- stagnant. The market was non-existent. Quotations were at levels which have prevailed past few weeks since there has demand. Potential buyers were developments in synthetic men- ly as a result of a weakening the raw material from which nufactured. Lanolin continued result of the prolonged slump es. Producers were awaiting of price relief which would en- to buy high priced degras nd market lanolin here at in- eilings. This they could not do present ceiling price setup.

olvents were all freely available. was fair with solvents moving lecting the overall poor state of currently prevailing.

Quotations in Japan have been ivanced as a result of a smaller had been expected. As a result t here was currently reflecting otations on the basis of advanced nt costs at the primary source. er had temporarily withdrawn market due to depleted stocks. fered No. 1 strip at anywhere to $1.90 per pound. Powdered esh, was quoted from $2 to $2.40 , depending upon the dealers

om the price activity as a result replacement costs abroad, con- uiry for agar was moderate al- me dealers reported a spurt in hich they attributed to the de- ck up in advance of possible osts in quotations here.

Oil—Market activity was very d quotations heard continued mports of castor beans at New Philadelphia during the week y 22, 1952, totaled 2,880,750 mpared to the 3,909,900 pounds during the corresponding week Imports of castor oil at these egated 1,363,600 pounds in com- the 184,800 pounds brought in corresponding week in 1951.

ports of castor beans since the year to date amounted to 69,- nds compared to the 87,168,450 ded during the corresponding year. Imports of castor oil to d 36,187,200 pounds compared 7,410 pounds landed during the ing period last year.

castor bean exports dropped ons in 1951, the lowest since ared with 134,715 tons in 1949 tons in 1948. However, castor increased to a record 32,596 red with 5,745 in 1948. Castor are being maintained at a high te of claims of the oil crush- ey cannot sell in world mar-

Market Trends

Prices Advanced

None

Prices Reduced

Cocoa butter, 1c. per lb.
Molasses, blackstrap, feed grade, 1c. per gal.
Silver cyanide, 2½c. per oz.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	July 1, 1950	May 25, 1951
253.0	253.0	253.0	255.8	265.7

(For Current Prices see Page 9)

kets and pay the high domestic price for beans.

Brazil's castor bean production in 1952 may exceed last year's output of 192,900 short tons, according to the latest information available to the Office of Foreign Agricultural Relations. In northern Brazil, a larger acreage is believed to have been planted and rains over the entire area have been ample with the normal arrival of the March-June rainy season. The harvest, however, will not get under way until August. In Bahia, the intermediate crop, which is harvested in March and April, was a complete failure due to the scarcity of rain last October. The rains have been sufficient in the current season, however, and if the favorable weather continues, a good crop may be expected from the main harvest starting in August. In southern Brazil, the harvest will soon start and a normal crop is expected. The Sao Paulo crop may approach 50,000 short tons and the remainder of southern Brazil should produce about 16,500 tons.

In 1951, Brazilian oil mills crushed about two-third of the castor bean crop, but crushing is expected to decline in 1952. The mills are meeting increasing competition in export markets and many now believe they cannot continue to operate profitably unless they have the advantage of compensation trade or some other form of assistance. The Brazilian domestic market can absorb only a small part of the oil production, and Brazil, therefore, must depend upon export markets. Stocks of castor beans are reported to be low in all parts of Brazil and mills are reported to be having difficulty in some sections in obtaining sufficient seed to maintain operations.

Cocoa Butter—Cocoa butter was down 1c. per pound during the past week, reflecting fluctuations in the commodity market. The current price quoted was 76½c. per pound. Supplies were more than ample for the demand which was seasonally slow.

Ester Solvents—There was no shortage of any ester solvents commonly used in lacquer formulation. Ethyl, amyl and butyl acetate, both synthetic and fermentation, were freely available. Prices remained unchanged and there seemed little chance that there would be any further price reductions initialed in this market by fermentation producers. As a matter of fact, price drops in ester solvents this year have not served to appreciably spur consumer buying of either fermentation or synthetic ester solvents. The demand just isn't there according to the observations of some producers. It remained a matter for conjecture as to when consumption of these solvents would pickup in any appreciable degree. Of course, price drops in these solvents which were initiated early this year have undoubtedly spurred buying to some degree but on the whole producers in this market, as in many other chemical lines, were suffering from a surplus of products and a dearth of customers.

Glycerin—The continued unavailability of synthetic glycerin as a result of the shutdown of producing facilities in Texas has acted to spur demand for the natural material. As yet no serious difficulty had been encountered in the ability of natural glycerin producers to accommodate additional business thrown their way as a result of the oil refinery strike which has shut off the production of synthetic glycerin. Producers of the natural material were in good shape as far as raw material and production capacity are concerned and and it was said by some that enough natural glycerin could be produced to fill the gap in the national glycerin supply left by the temporary loss of synthetic production. This situation has firmed up the market to some degree, it was reported. There had been an overall drop in the price of refined glycerin of approximately 20c. per pound since January this year. Prior to and even during the first week or ten days of the current shutdown in synthetic glycerin producing facilities, some small refiners had been shading

For Late Market Developments, See Page 4

PURCHASING AGENT'S BUYING GUIDE

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prices on natural glycerin. At last reports, refined prices were firm and were expected to continue so in light of the increased demand for natural glycerin. Aside from the increase in demand due to temporary loss of synthetic production, consumer inquiry was said to be steady at fair levels. Government orders continued to constitute only a small portion of current production. Whether there would be any significant stepup in government and defense orders during coming months remained a matter for conjecture. One thing fairly certain was that overall demand for refined glycerin was expected to decline during the Summer when shutdowns in various industries for vacation and equipment overhaul periods occur. Shutdowns in appliance and metal fabricating industries due to the glue of consumer products on the market were having an indirect affect on overall industry consumption of glycerin especially in the protective coatings field. The growing consumption of various polyols in this and other glycerin consuming industries was said to have had an adverse affect on the amount of glycerin formerly consumed in these applications.

The Office of International Trade has boosted the second quarter export quota for crude and refined glycerin 5,000,000 pounds. This brought the total quota for this period to 5,800,000 pounds which OIT said was readily available from United States production and stocks. The additional material was said to be needed to meet increased requirements for the production of explosives for mining purposes in friendly areas. United States production of glycerin was currently estimated to exceed 210,000,000 pounds per year.

Lanolin—Demand was steady for lanolin at normal levels. Supplies, however, were not much improved. The prolonged low level of activity in wool scouring operations as a result of the textile slump is directly responsible for the shortage of lanolin. Domestic producers were hoping for some relief in the situation if price ceilings on lanolin are raised. As things stand now, producers complain that they cannot import high priced degras available on the world market, process it and produce lanolin and make a profit since present lanolin ceilings preclude buying degras abroad. A stepup in wool scouring operations in mills here would help to mitigate the shortage of degras and hence of lanolin. However, while textile manufacturers were optimistic toward a pickup in that field, it still remained a matter for conjecture as to when it would become a reality.

Molasses—Prices for cane blackstrap declined 1c. per gallon at most points during the week ended May 20, 1952. On the west coast blackstrap prices were down $3 per ton, from $38 to $35 per ton. At New Orleans the price for cane blackstrap ranged from 21c. to 22c. per gallon. Demand for feed molasses was slow in the Gulf area and on the west coast. East coast demand was slow to moderate. At the present time demand for feed molasses was seasonally slow. Supplies of cane blackstrap were adequate at all points with the exception of Savannah where supplies were limited.

The demand for citrus molasses was now moderate at most points with prices unchanged and supplies limited to adequate.

Rutin—Despite the fact that importation of *Saphora Japonica* continues to be banned by the United States government, supplies of rutin in this country were considered ample for current demand. However, domestic producers of rutin have been forced to compete with rutin of Canadian manufacture which is being produced from the very raw material, *Saphora Japonica*, which American manufacturers are prohibited from importing.

Early last year manufacturers in the United States were banned by government order from importing *Saphora Japonica* from China unless they could prove that the dollars paid for the material would not go to Red China. Canadian manufacturers of rutin have been under no similar compunction and were reported to have been bringing in *Saphora* for the manufacture of rutin. Although rutin can b tured from other sources *Saphora Japonica* such as eucalyptus leaves and tobacco production utilizing the former the raw material is decidedly ch

Domestic manufacturers striving to have the ban on the of *Saphora* lifted on the ground is an essential drug. Since rutin manufactured in Canada the pressure off domestic pro current market finds sufficient able to meet demand. It was long ago as last year that t would be hard pressed once previously imported *Saphor* were gone and it has generally prise to many that stocks have this late date. It can be said not too clearly foreseen duri year that Canada would be a into this market to the sizable it has. The unfairness of a situ permits our neighbor and ally to "trade with the enemy" wh manufacturers are forced to s attempt to manufacture ruti ondary crudes on a competit another example of our p

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ivity to put American interests last ternational dealings. It should be , by the way, that Canadian produc- llege that rutin currently manufac- there has been made from *Saphora ica* brought in prior to the ban of mportation. Prices continued un- ged although domestic producers were tain as to how long that they could nue to manufacture *Saphora* derived from their rapidly decreasing stocks e raw material. It was said that rutin ced from secondary crudes could ompete pricewise with rutin made *Saphora Japonica.*

ver Cyanide—Not as immediately ive to bullion fluctuations as the e, silver cyanide was reduced 2½c. unce last week as a result of an over- ecline of 3c. in the price of silver n since May 12. The previous week nitrate was the first of the silver to register the fall in the bullion The current quotation for silver ie in 2,500 ounce lots was 76⅝c. per . In 1,000 ounce lots, the quotation 6⅞c., while 500 and 100 ounce lots quoted at 77⅛c. and 77⅜c. per respectively.

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Of the partially hydrolyzed "Lemols," the high viscosity product is regarded useful as a protective colloid, emulsifying agent, thickening agent and extender for polyvinyl acetate emulsions. Medium viscosity "Lemol" is said to permit higher working concentrations than other types. The low viscosity grade is the most water sensitive, and is reported useful as an emulsifying agent, remoistenable adhesive, and warp size for acetate and nylon salts.

Philip Stevens Entering Chemical Consulting Field

Dr. Philip G. Stevens is entering the chemical consulting field and will be located at Old Greenwich, Conn., PO box 761. He will be associated with Walter E. Scheer of New Canaan, Conn., who has specialized for a number of years in commercial chemical development and market research.

Dr. Stevens had for seven years been in the development department of General Aniline & Film Corporation. Prior to this, he was with E. J. duPont de Nemours & Co., and taught organic chemistry at Yale and McGill universities. Dr. Stevens will specialize in the more technical phases of organic chemical developments.

Schwarz Offers Optically Standardized Amino Acids

Schwarz Laboratories, Inc., New York, is now offering optically standardized amino acids in commercial quantities. Available immediately are laevo-alanine, dextro-alanine, laevo-citrulline, laevo-ornithine monohydrochloride, laevo-threonine, dextro-threonine, laevovaline, and dextro-valine. The company expects to add other amino acids to its line in the near future.

Parke, Davis Branch Moves

The Pittsburgh branch of Parke, Davis & Co. has moved into a new building at 20 Whitehall Terrace, 4120 Brownsville road in that city. The offices occupy 5,400 square feet of floor space and the warehouse, 18,600 feet. S. M. Dripps is the manager of the Pittsburgh branch, which serves Parke, Davis customers in western Pennsylvania and parts of Ohio, West Virginia and New York.

Trade Briefs

Abbott Laboratories, North Chicago, Ill., has added William E. Dominick and Paul L. Ahearn to the staff of its patent department.

Nopco Chemical Company, Harrison, N. J., recently presented solid gold watches to thirteen employees on the occasion of their twenty-fifth anniversaries with the company.

American Optical Company's instrument division, Buffalo, N. Y., has developed a new simplified polarizing microscope for crystallography, chemical microscopy and petrography.

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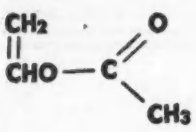

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Pure Drug & Chemical Elects Set of Officers

Pure Drug & Chemical Corporation, New York, has elected Davis S. Fischman chairman of the board and Dr. James J. Mugford president. Malcolm W. Armstrong has been elected vice-president and Frederick C. Fuller has been named secretary-treasurer. An executive committee has also been elected, composed of Mr. Fischman, Dr. Mugford, Mr. Armstrong, and Sylvan L. Silk, a member of the board of directors. According to a statement by Dr. Mugford, the company is now laying plans for extensive expansion in the packaged and bulk drug and chemical fields.

Messrs. Fischman and Armstrong are president and vice-president, respectively, of United Dye & Chemical Corporation, New York, parent organization of Pure Drug & Chemical. Dr. Mugford is a Philadelphia industrial chemical engineer. Mr. Fuller is secretary of American Dyewood Company, while Mr. Silk is a New York wool manufacturer.

Hercules Powder to Build New Biological Laboratory

A new biological laboratory will be constructed by Hercules Powder Company at its Experiment Station near Wilmington, Del., the company announced today. The new structure will enable the company to expand considerably its work in biological, botanical, and agricultural fields.

Plans are being drafted now by the Hercules engineering department. Construction will begin in September, and it is expected the laboratory will be ready for occupancy by April, 1953. A main laboratory building and two greenhouses will comprise the project. The cost of the buildings is expected to be in the neighborhood of $400,000.

Dr. E. N. Woodbury, chief entomologist, will head the work of the laboratory. Research carried on by the company at independent commercial laboratories and other agricultural experiment stations will be coordinated through the new central unit.

Gen'l Aniline Names Lang

Dr. Joseph W. Lang has been appointed director of research of the central research laboratory of General Aniline & Film Corporation, succeeding Dr. Henry B. Hass, who has resigned to accept a position with another company. Both the appointment and resignation are effectiv June 1. On that same date, Dr. David Andrews will become plant manager fo GAF at Rensselaer, N. Y., being promote from his present assignment as manage of process development.

Blister Copper Placed Under NPA Authority

Delegation of authority to alloca blister copper has been transferred fro the Defense Materials Procurement A ministration to the National Produ tion Authority. The action was taken an amendment to NPA delegation No.

NPA said that the delegation w amended in order to include blister co per under the definition of copper ra materials as set forth in NPA Order M- (copper and copper alloy order) and provide for its allocation for the produ tion of copper chemicals along with t allocation of other copper raw materia Blister copper, a high grade crude co per containing up to 98 percent copp content, is readily usable in the produ tion of copper sulphate without furth refining.

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Synthron Vice-President

George O. Linberg has been elected ce-president and New England sales anager of Synthron, Inc., Ashton, I. Mr. Linberg comes to Synthron om Belle Chemical Company, where was vice-president. He previously rved as sales manager and assistant the director of the textile depart- nt of Monsanto Chemical Company, d, prior to that, was for many years sociated with the organic chemicals partment of E. I. duPont de Nemours Co.

bline Relocates, Acquires bsidiary, Names Magnuson

Labline, Inc., Chicago, has announced relocation to new quarters at 217 North splaines street, the acquisition of a new npany, and the appointment of a direc- of research and development. Labline, merly known as Laboratory Industries, ., has acquired the controlling interest Chicago Surgical & Electrical Company, cago, and will operate it as one of its sidiaries. The new research head is nald V. Magnuson, formerly manager research at Precision Scientific Com- y for over four years.

New York AIC Scroll Presented to Dr. Snell

The New York chapter of the American Institute of Chemists presented its honor scroll award to Dr. Foster Dee Snell, president of Foster D. Snell, Inc., New York, at its annual meeting, held May 23 at the Commodore hotel, New York.

Dr. Snell, in his acceptance address, outlined how consulting chemists and their laboratories serve industry. As illustrations, he mentioned the specialized activities of over twenty consulting organizations in the United States.

He pointed out how one consultant was called upon by a prominent food organization in the early 1920's to see what could be made from their waste product of oat hulls. That consulting group found that oat hulls can be converted to furfural. Many uses were found for furfural over the years, as a solvent in paints, as a resin intermediate in plastics, and as a fungicide. Today, he said, furfural is so important that other raw materials, such as corn cobs, have had to be developed. Similarly, he pointed out, the former waste refinery gases from petroleum are now made into chemicals as diverse as alcohol, glycerin, and acetone, to mention only a few.

In showing how consulting has served industry, Dr. Snell also showed how the growth of chemical consultants has matched the spectacular growth of the chemical industry. Today independent consultants employ over 4,400 technical men and another 4,800 supporting personnel. Their annual volume of business makes them a $100,000,000 industry.

Sindar Corp. Publishes Hexachlorophene Data

A revised bibliography of the literature on "G-11" brand of hexachlorophene has just been published by Sindar Corporation, New York. This bibliography, technical bulletin H-1, contains references and abstracts of sixty-eight scientific and trade articles, and abstracts of nineteen patents.

It has been completely revised to include all abstracts of the original bibliography of April, 1951, the first supplementary bibliography and all additional articles on the subject up to May, 1952. The bulletin is indexed so that abstracts on general information concerning "G-11," its use in soap, in synthetic detergents and various materials may be easily located.

25

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Obituaries

Charles G. Spencer

Charles G. Spencer, field sales manager of the Henry Bower Chemical Manufacturing Company, Philadelphia, died May 18 in that city. He was fifty-seven years of age.

Mr. Spencer has been sales representative for the Bower company in the New England and southern territories as well as in metropolitan Philadelphia and New York during his twenty-seven years of service with the concern.

John Dahlquist, president and founder of the Chadakoin Chemical Company, Jamestown, N. Y., died May 15 in Buffalo, N. Y.

Firmin V. Desloge, former lead mining executive, died May 18 in Santa Barbara, Calif. He was seventy-three.

Frank C. Fina, former operator of the Blue Ribbon Chemical Company, Buffalo, N. Y., died May 18 in that city. His age was fifty-four.

Thomas H. Gagen, associated with Hinde & Dauch, Sandusky, Ohio, for forty-eight years, died May 18. Mr. Gagen joined the company in 1904, and, most recently, served on special assignment with its sales department.

Samuel G. Gordon, metallurgist and former assistant curator for thirty years at the Philadelphia Academy of Sciences, died May 17 in Cincinnati, Ohio. He was fifty-four. Mr. Gordon was associated with the atomic energy plant at Oak Ridge, Tenn., at the time of his death.

Robert L. Hallett, consulting engineer and former president of the Mining and Metallurgical Society of America, died May 16 in Brooklyn, N. Y. He was seventy years old. Mr. Hallett became a chemist and engineer for the National Lead Company, New York, in 1911 and was chief chemist of the company from 1938 to 1948. Since 1949 he had been a consulting mining and industrial engineer with offices in New York.

Prof. Carleton P. Jones, retired research professor in chemistry at the agricultural experimental stations of the University of Massachusetts, died May 16. His age was seventy-one. For thirty-eight years with the University of Massachusetts, Prof. Jones conducted research in soil types and fertilizers.

Francis H. Marling, advertising manager of the Pure Oil Company, Chicago, died May 18 in Glencoe, Ill. He was fifty-nine. Mr. Marling had been with Pure Oil for more than twenty years.

Angus McKenzie, life partner of McKenzie Brothers, New York manufacturing chemists, died May 20 in Plainfield, N. J. He was ninety-one years of age.

Henry J. Warsap, research chemist, died May 11 in Los Angeles, Calif. He was ninety-one years of age.

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Named to CSC Sales Post

Richard C. Wood has been named assistant to Abbott K. Hamilton, vice-president in charge of product divisions of Commercial Solvents Corporation, New York. For the past sixteen years, Mr. Wood has held executive and development positions in the chemicals industry and previously with General Aniline & Film Corporation, New York.

Kodak Elects Hargrave Chairman, Chapman Pres.

Eastman Kodak Company, Rochester, N. Y., has elected Thomas J. Hargrave chairman of the board of directors to succeed Perley S. Wilcox, who has retired from that post. Albert K. Chapman has been elected president, succeeding Mr. Hargrave, and Donald McMaster has been named to succeed Mr. Chapman as vice-president and general manager.

Haring Appoints Bernick

The Haring Equipment Corporation, New York, has announced the appointment of R. A. Bernick, Buffalo, N. Y., to represent the company on its "Kalix" tube fillers, for the territory of western New York and northern Pennsylvania.

Leonard A. Yerkes Quits As Director of duPont Co.

Leonard A. Yerkes, who started and directed commercial development of rayon, cellophane and nylon for E. I. duPont de Nemours & Co., Wilmington, Del., has resigned as a member of the company's board. His position on the board will not be filled and the membership will be reduced to thirty-two.

Mr. Yerkes had been a director since 1924. He joined duPont in 1917 as a member of the development department, and was made assistant director of that department two years later. In 1920 he became president of the newly-organized duPont Rayon Company, and in 1923 became first president of the duPont Cellophane Company. He held both positions until 1936, when the two companies were dissolved and became the rayon department of the duPont company. Thereafter, until his retirement from executive duties in 1945, Mr. Yerkes was general manager of the rayon department, whose products included rayon and cellophane. The nylon division was added in 1938.

Hog-Cholera Program Budget Fixed for 1952

Secretary of Agriculture Charles F. Brannan announced the approval May 21 of the budget of expenses and fixing of the rates of assessment for the 1952 hog-cholera program.

It is estimated that expenses of the control agency will amount to $35,195 of which $9,501.02 will be met from funds remaining from the 1951 program. The balance of $25,693.98 will be collected through assessments as follows:—$20,221.16 from handlers of anti-hog-cholera serum and hog-cholera virus who are manufacturers, and $5,472.82 from handlers who, as distributors, market their products principally through veterinarians or other channels.

Trade Briefs

J. Strauss, of J. H. Bauminger, Inc., New York, will leave shortly on a two-to-three-month business trip in Europe.

Drexel A. Sprecher has been named assistant administrator of the Small Defense Plants Administration.

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ANTIMONY REGULUS—20 cs, Metal Transport Corp, Antwerp
250 cs, Rotterdam
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361 tons, Colgate-Palmolive-Peet Co, Cebu
COLOMBIUM ORE—89 bgs, J W Hampton Jr, Antwerp
COLUMBITE ORE—35 bgs, W E Moulsdale, Singapore
COPAIBA BALSAM—5 dms, Dodge & Olcott, Manaus
17 dms, Wessel Duval & Co, Manaus
10 dms, Fritzsche Bros, Manaus
COPPER CYANIDE—50 dms, Elbert & Co, London
CORIANDER OIL—10 dms, Internatio Rotterdam, Rotterdam
SEED—445 bgs, Wm E Martin & Co, Casablanca
425 bgs, Casablanca
CORUNDUM ORE—4,330 bgs, C Tennant Sons & Co, Lourenco Marques
DAMMAR GUM—25 cs, Bankers Trust Co, Singapore
50 cs, O G Innes Corp, Bangkok
100 cs, Internatio Rotterdam, Tandjong Priok
140 bgs, O G Innes Corp, Singapore
DANDELION ROOT—40 bls, S B Penick & Co, Antwerp
DESOXYCHOLIC ACID—1 cs, Merck & Co, Bremen
DEXTRIN—50 bgs, H Dolan, Rotterdam
90 bgs, Bank of Manhattan Co, Rotterdam
DIMETHYLXANTHIN—33 cks, Antwerp
DIVI DIVI—448 bgs, Oranjestad
ELEMI GUM—140 cs, O G Innes Corp, Manila
EPSOM SALT—330 bgs, F H Taussig, Bremen
FISHLIVER OIL—10 dms, Collett Week Nibsecker, Valparaiso
FISHMEAL—1,800 bgs, Wilbur Ellis Co, Capetown
FUEL OIL—16,153 tons, Paragon Oil Co, Curacao
108,857 bbls, Paragon Oil Co, Curacao
208,335 bbls, Metropolitan Oil Corp, Curacao
196,000 bbls, Esso Export Corp, Aruba
357,000 bbls, Esso Standard Oil Co, Aruba
202,931 bbls, Hess Inc, Aruba
108,693 bbls, Hess Inc, Brighton
215,805 bbls, Asiatic Petroleum Corp, Curacao
105,396 bbls, New England Petroleum Corp, Punta Cardon
GALL—4 dms, F J Benkart, Vera Cruz
OX—5 cks, J M Rogers, Buenos Aires
4 dms, Perry Ryer & Co, Durban
8 dms, Van Gelder Fanto Corp, Dublin
4 trcs, Armour & Co, Montevideo
3 cks, J M Rogers, Montevideo
7 bbls, Wilson & Co, Santos
SHEEP—1 dm, Lo Curto & Funk, Glasgow
2 trcs, Armour & Co, Montevideo
GARNETLAC—50 bgs, C H Timm, Calcutta
GELATIN—5 bbls, Coignet Chemical Co, Antwerp
100 bgs, Riches Nelson, Antwerp
GINGER ROOT—30 bgs, B H Old & Co, Cochin
80 bgs, Wm M Allison & Co, Cochin
100 bgs, Otto Gerdau Co, Cochin
80 bgs, C T Wilson, Cochin
520 bgs, Canada Dry Ginger Ale, Inc, Kingston
63 bgs, Cliquot Club Co, Kingston
GLANDS—2 cs, Tupman Thurlow, Buenos Aires
122 bxs, International Packers Ltd, Melbourne
40 bgs, International Packers Ltd, Brisbane
13 trcs, Montevideo
GLUE—700 bgs, J Berlage & Co, Rotterdam
570 bgs, Marks & Coyle, Copenhagen
STOCK—877 seroons, H Remis & Co, Ciudad Trujillo
75 bls, M Goldstein, Casablanca
GUAIACWOOD OIL—55 cs, George Uhe Co, Buenos Aires
214 cs, Norda Essential Oil & Chemical Co, Buenos Aires
GYPSUM—2,685 tons, Newark Plaster Co, Walton
10,255 tons, U S Gypsum Co, Hantsport
HYDRAZINE HYDRATE—66 cbys, Liverpool
IPECAC ROOT—10 bgs, Edmond Weil, Rio de Janeiro
IRON OXIDE, RED—16 dms, Amsterdam
KELPMEAL—100 bgs, F H Fromm Co, Halifax
112 bgs, F H Fromm Co, Dublin
LAVENDER OIL—8 dms, Norda Essential Oil & Chemical Co, Barcelona
LEATHERMEAL—1,000 bgs, Liverpool
LEMON OIL—2 qtr cs, George Lueders & Co, Messina
LEMONGRASS OIL—5 dms, Hensel Bruckmann & Lorbacher, Puerto Barrios
12 dms, Lo Curto & Funk, Puerto Barrios
LINSEED OIL—144,816 gls, Harbor Tank Storage, Toronto
MACE—14 cs, Catz American Co, Macassar
MAGNESITE—888 bgs, Golwynne Chemical Corp, Madras
MAGNESIUM CARBONATE—200 bgs, Reheis Co, Liverpool
MANGANESE ORE—9,200 tons, E J Lavino, Takoradi
MARJORAM—96 bgs, Marcel Calvet & Co, Ciudad Trujillo
MENTHOL—288 cs, World Commerce Corp, Rio de Janeiro
55 cs, Guaranty Trust Co, Rio de Janeiro
50 cs, Paul A Dunkel & Co, Rio de Janeiro
30 cs, Bristol Meyers Co, Rio de Janeiro
MILK POWDER—100 crts, I Grob, Rotterdam
640 bgs, M E Franks, Rotterdam
600 bgs, M E Franks Inc, Hamburg
MONOSODIUM GLUTAMATE—300 dms, Universal Sales Co, Yokohama
MONTAN WAX—10 dms, G S Ziegler & Co, Hamburg
200 bgs, Innis Speiden & Co, Hamburg
MUSTARD SEED—155 bgs, Chas Gulden, San Antonio
400 bgs, Chas Gulden, Rotterdam
75 bgs, Joel Bieler, Rotterdam
NAPHTHALENE—200 bgs, M Gesamer, Antwerp
NAPHTHENIC ACID—1,097 bbls, Stanco Inc, Aruba
NUTMEGS—731 bgs, George Lueders & Co, Tandjong Priok
260 bgs, Dodge & Olcott, Antwerp
51 bgs, A G Dunn, Macassar
OCHER—1,200 bgs, Herlan Mdse Corp, Casablanca
OLIBANUM GUM—324 bgs, Meer Corp, Massawa
OLIVE OIL—100 bbls, Francis H Leggett & Co, Seville
PALM OIL—135 tons, Hanover Bank, Antwerp
PAPAIN—1 cs, Corn Exchange Bank, Dares Salaam
PAPRIKA—200 bgs, Consolidated Grocery Corp, Alicante
325 bgs, F O Nelson, Alicante
50 bgs, Esperia Packing Co, Alicante
70 bgs, Van Loan & Co, Alicante
100 bgs, Malabar Spice Mills, Alicante
410 bgs, A A Sayia & Co, Alicante
100 bgs, Dauwill Co, Alicante
150 cs, F O Nelson, Alicante
200 bgs, M J Golombeck, Hamburg
300 bgs, W L Willner Co, Alicante
PATCHOULI OIL—11 dms, Internatio Rotterdam, Belawan Deli
2 dms, George Leuders & Co, Belawan Deli
10 dms, Lo Curto & Funk, Belawan Deli
3 cs, Stein Hall & Co, Penang
PEATMOSS—3,500 bls, Atkins & Durbrow, Bremen
500 bls, E J Lang, Bremen
1,375 bls, New Amsterdam Import Co, Bremen
2,925 bls, J E Bernard, Bremen
1,680 bls, Premier Peatmoss Corp, Dublin
4,790 bls, Premier Peatmoss Corp, Bremen
PEPPER, BLACK—71 bgs, Borneo Sumatra Trading Co, Djakarta
230 bgs, Internatio Rotterdam, Djakarta
320 bgs, Superintendence Co, Southampton
80 bgs, Mincing Trading Corp, Kochikode
77 bgs, Internatio Rotterdam, Tandjong Priok
140 bgs, Superintendence Co, Hamburg
71 bgs, Borneo Sumatra Trading Co, Tandjong Priok
WHITE—30 bgs, Internatio Rotterdam, Djakarta
15 bgs, Catz American Co, Djakarta
PERU BALSAM—3 dms, Fritzsche Bros, Cristobal
PETROLEUM, CRUDE—61,501 bbls, California Refining Co, Las Piedras
323,000 bbls, Esso Standard Oil Co, Puerto La Cruz
231,649 bbls, Esso Standard Oil Co, Cartagena
PHENOTHIAZIN—40 dms, American Roland Corp, Dublin
POLLACKLIVER OIL—18 dms, National City Bank, Yokohama
30 dms, Aibumina Supply Co, Yokohama
50 dms, Girard Trust Co, Yokohama
3 dms, Arista Oil Products Co, Yokohama
POPPY SEED—417 bgs, C M Van Sillevoldt, Hamburg
417 bgs, Joel Beiler, Hamburg
417 bgs, A Gronowitz, Hamburg
417 bgs, Louis Furth, Hamburg
417 bgs, Becker Mayer Seed Co, Hamburg
100 bgs, Louis Furth, Rotterdam
150 bgs, Levy & Levis Co, Rotterdam
417 bgs, Levy & Levis Co, Hamburg
100 bgs, C M Van Sillevoldt, Antwerp
POTATO STARCH—100 bgs, Bank of Manhattan Co, Rotterdam
PYRETHRUM FLOWERS—50 bls, Manufacturers Trust Co, Dar es Salaam
149 bls, First National Minneapolis, Dar es Salaam
185 bls, Brown Bros, Dar es Salaam
32 bls, Irving Trust Co, Dar es Salaam
150 bls, Peter O Hoffman, Mombasa
PYRIDIN—116 cs, Interocean Chemical & Minerals Corp, Yokohama
QUEBRACHO EXTRACT—851 bgs, First National Boston, Rotterdam
1,318 bgs, Hanover Bank, Buenos Aires
2,617 bgs, Tanimex Corp, Buenos Aires
1,394 bgs, River Plate Import & Export Corp, Buenos Aires
QUICKSILVER—100 flks, G Jimenez Corp, Vera Cruz
200 flks, Lo Curto & Funk, Tampico
300 flks, Interchange Commercial Corp, Barcelona
100 cbys, Leghorn Trading Co, Bordeaux
700 flks, Barcelona
RADIUM ELEMENT—2 cs, Radium Chemical Co, Antwerp
RUTILE SAND—5,000 bgs, International Titanium Corp, Brisbane
4,971 bgs, J W Hampton Jr, Brisbane
SAGO FLOUR—283 bgs, Morningstar Nicol, Singapore
163 bgs, American Key Products, Singapore
SANDALWOOD OIL—17 cs, Magnus Mabee & Reynard, Madras
SANDARAC GUM—60 bgs, Victor Elmaleh, Casablanca
WAX—6 bgs, Strohmeyer & Arpe, Hamburg
SCANDRAMIC WAX—126 bgs, Cornelius Products Co, Gothenburg
SCHEELITE CONCENTRATES—140 bgs, National City Bank, Natal
SEEDLAC—100 bgs, Dings & Schuster, Calcutta
400 bgs, Ralli Bros, Calcutta
100 bgs, Capitol Shellac Corp, Bangkok
500 bgs, Gillespie-Rogers-Pyatt, Calcutta
100 bgs, Internatio Rotterdam, Calcutta
400 bgs, C H Timm, Calcutta
300 bgs, Mantrose Corp, Calcutta
100 bgs, Schwab Bros, Calcutta
700 bgs, Wm Zinsser & Co, Calcutta
100 bgs, Carleton & Moffet, Calcutta
150 bgs, Haeuser Shellac Co, Calcutta
175 bgs, Internatio Rotterdam, Calcutta
300 bgs, Dings & Schuster, Calcutta
1,111 bgs, United Shellac Corp, Bangkok
600 bgs, Mantrose Corp, Bangkok
300 bgs, C H Timm, Bangkok
646 bgs, East Asiatic Co, Bangkok
200 bgs, Mac-Lac Co, Bangkok
933 bgs, Bangkok
300 bgs, Calcutta
SENNA LEAVES—25 bls, Irving Trust Co, Port Sudan
SHARKLIVER OIL—10 dms, Smith Interocean Chemical Co, Yokohama
15 dms, Barclay & Co, Kobe
50 dms, Silmo Chemical Corp, Yokohama
SHELLAC—300 bgs, J H Schroder, Bangkok
100 bgs, Corn Exchange Bank, Bangkok
100 bgs, Colony Import & Export Corp, Bangkok
100 bgs, Flora Lac Co, Calcutta
50 bgs, Lo Curto & Funk, Calcutta
100 bgs, Mantrose Corp, Calcutta
700 bgs, Wm Zinsser & Co, Calcutta
300 bgs, C H Timm, Calcutta
900 bgs, Internatio Rotterdam, Calcutta
477 bgs, Gillespie-Rogers-Pyatt, Calcutta
100 bgs, Colony Import & Export Corp, Calcutta
27 dms, F H Paul & Stein Bros, Rotterdam
350 bgs, Calcutta
SLOE BERRIES—19 bls, S B Penick & Co, Hamburg
SODIUM CHLORIDE—22 dms, Mallinckrodt Chemical Works, La Guaira
PERBORATE TETRAHYDRATE—660 dms, Chemical Mfg Co, Liverpool
SILICOFLUORIDE—400 bgs, Henry Sundheimer Co, Hamburg
SULPHATE — 4,000 bgs, Berkshire Chemicals, Antwerp
SULPHUR—46 cks, Liverpool
TALC—250 bgs, Hammill & Gillespie, Bordeaux
200 bgs, Whittaker, Clark & Daniels, Bordeaux
TAPIOCA FLOUR—2,000 bgs, Stein Hall & Co, Bangkok
3,015 bgs, Geismar & Co, Itajai
TARTAR, CRUDE—733 bgs, Tartaric Raw Materials, La Goulette
TEAWASTE—27 chts, A M Goldstein, London
82 bgs, A M Goldstein, London
3,224 bgs, Maywood Chemical Works, Calcutta
TOLU BALSAM—32 cs, Wessel Duval & Co, Oranjestad
10 dms, Norda Essential Oil & Chemical Co, El Salvador
TRAGACANTH GUM—17 cs, V Simidian & Co, Beirut
23 bgs, Duvecot & Co, Rotterdam
137 bgs, Tragacanth Importing Corp, Rotterdam
100 bgs, Rotterdam
TUNG OIL—300 tons, C Tennant Sons & Co, Buenos Aires
255 dms, C Tennant Sons & Co, Buenos Aires
TURMERIC ROOT—150 bgs, L E Ranson Co, Madras
320 bgs, Mincing Trading Corp, Cochin
160 bgs, Wm E Martin Co, Cochin
208 bgs, Volkart Bros, Cochin
VANILLA BEANS—30 cs, L A Champon & Co, Tandjong Priok
30 cs, Zink & Triest Co, Tandjong Priok
25 cs, Chase National Bank, Liverpool
20 cs, Thurston & Braidich, Marseille
VEGETABLE GUM—10 dms, P Lorillard Co, London
OIL—165 tons, C Tennant Sons & Co, Buenos Aires
WATTLE BARK—1,386 bls, Olson Sales Agency, Durban
4,581 bls, Hammond & Carpenter, Durban
EXTRACT—3,643 bgs, Olson Sales Agency, Durban
WHITING—1,600 bgs, Pluess Staufer, Antwerp
1,400 bgs, Hammill & Gillespie, London
400 bgs, C B Chrystal, London
1,200 bgs, Whittaker Clark & Daniels, London
1,225 bgs, N H Weitzner, Antwerp
WOLFRAM ORE—601 bgs, National City Bank, Leixoes
393 bgs, National City Bank, Bangkok
531 bgs, Bangkok
404 bgs, Leixoes
WOOL GREASE—64 cs, Hummel Chemical Co, Yokohama
57 bbls, N I Malstrom & Co, Genoa
ZIRCON SAND——7,000 bgs, International Titanium Corp, Brisbane

PSYLLIUM SEED—266 bgs, for Innis Speiden & Co., and 921 bgs, for Block Drug Co., listed in issue of May 19, should have read KARAYA GUM.

Baltimore

BONEMEAL——2,500 bgs, American Agricultural Chemical Co, Calcutta
2,000 bgs, C G Trading Corp, Calcutta
IRON OXIDE, RED—504 bbls, J Lee Smith, Malaga
MANGANESE ORE—1,782 tons, Philipp Bros, Calcutta

Boston

PEATMOSS—450 bls, John A Conkey, Bremen
POLYVINYL ACETATE RESIN—52 cks, Henley & Co, Hamburg
SEEDLAC—200 bgs, The Parks Co, Bangkok

Los Angeles

AGAR—50 bls, The Avia Co, Nagoya
BENZOL—1,162,310 long tons, Oil Chemical Products Inc, Kobe
CALCIUM NITRATE—4,000 bgs, Wilson Geo Meyer & Co, Oslo
CASEIN—180 bgs, American Cyanamid Co, Buenos Aires
725 bgs, East Asiatic Co, Buenos Aires
CASTOR OIL—202 dms, Pacific Vegetable Oil Corp, Bombay
SEED—3,550 bgs, Pacific Vegetable Oil Corp, Buenos Aires
CHILLIES, HONTAKA—295 bgs, Hismaco American Co, Kobe
CODLIVER OIL—337 bgs, Arista Oil Products Co, Haugesund
COPRA—560 short tons, Spencer Kellogg & Sons Inc, Siain
CAKE—2,200 bgs, Pacific Vegetable Oil Corp, Cebu
8,000 bgs, Balfour Guthrie Co Ltd, Cebu
2,240 bgs, Balfour Guthrie Co Ltd, Manila
2,248 bgs, Bank of California National Association, Cebu
6,720 bgs, Wilbur Ellis Co, Manila
5,338 bgs, Atkins Kroll & Co, Cristoba'
1,900 bgs, Atkins Kroll & Co, Barranquilla
606 bgs, Balfour Guthrie & Co Ltd, La Libertad
FISHLIVER OIL—2 dms, Universal Foreign Service Co, Yokohama
HERRING MEAL—6,010 bgs, Wilbur Ellis Co, Haugesund
LEAD CONCENTRATE ORE—2,290 bgs, Englis, Scottish & Australia Ltd, Burnie
LEMONGRASS OIL—1 dm, Hefford Chemical Co, Guatemala
MOLASSES—316,022 kilos, Pacific Molasses Co, Topolobampo
POLLACK LIVER OIL—25 dms, Albumina Supply Co, Nagoya
175 dms, Consumers Import Co, Nagoya
30 dms, W J Byrnes & Co, Yokohama
SEAWEED MEAL—100 bgs, Dr J L Ohman, Haugesund
SESAME SEED—200 bgs, H M Newhall, Corinto
50 bgs, B C Ireland Inc, Square Sinnett, Corinto
UREA—6,750 bgs, Wilson Geo Meyer & Co, Heroya

Philadelphia

AMMONIUM CHLORIDE—999 bgs, Chemical Mfg Co, Liverpool
ANTIMONY—1,000 bgs, National Lead Co, Liverpool
BONEMEAL—11,191 bgs, Kind & Knox, Calcutta
CASTOR OIL—184 tons, Rohm & Haas, Antwerp
178 dms, Roy Hess Co, Calcutta
275 dms, East Asiatic Co, Madras
238 dms, Liverpool
CLAY—540 bgs, Solomon Bros, Bremen
CODLIVER OIL—350 dms, Corn Exchange Bank, Leixoes
FISHMEAL—121 tons, Albumina Supply Co, Casablanca
FLUORSPAR—6,594 tons, B H Sobelman Co, Bremen
2,122 tons, Chas Kurz Co, Genoa
GRAPHITE—450 bgs, Phila National Bank, Calcutta
GYPSUM—6,105 tons, U S Gypsum Co, Hantsport
HERRINGMEAL—150 tons, Wilbur Ellis Co, Haugesund
KYANITE ORE—325 tons, C Tennant Sons & Co, Calcutta
MAGNESITE—46 tons, Michigan Central Bank, Calcutta
MENTHOL—97 cs, National City Bank, Santos
MOLASSES—1,821,895 gls, Commercial Molasses Co, La Romona
1,471,014 gls, Publicker Co, Matanzas
NAPHTHALENE—1,500 bgs, Bankers Trust Co, Hamburg
1,000 bgs, J E Fox Co, Manchester
443 bgs, J E Fox Co, Liverpool
313 bgs, Chas Page Co, Liverpool
PEATMOSS—480 bls, C Gastmeyer, Rotterdam
800 bls, Bank of Manhattan Co, Bremen
2,901 bls, Bremen
PETROLEUM, CRUDE — 194,469 bbls, Gulf Oil Corp, Mena al Ahmadi
229,463 bbls, Gulf Oil Corp, Las Piedras
246,539 bbls, Gulf Oil Corp, Puerto La Cruz
96,323 bbls, Atlantic Refining Co, Pamatacual
216,000 bbls, Atlantic Refining Co, Puerto La Cruz
115,433 bbls, Atlantic Refining Co, Mena al Ahmadi
117,452 bbls, Socony Vacuum Oil Co, Puerto La Cruz
121,738 bbls, Socony Vacuum Oil Co, Covenas
QUEBRACHO EXTRACT—520 bgs, Tanimex Corp, Liverpool
2,031 bgs, Tanimex Corp, Buenos Aires
SHELLAC—100 bgs, Calcutta
VANILLA BEANS—8 cs, Corn Exchange Bank, Havre
WHITING—3,200 bgs, Pluess Staufer, Antwerp

San Francisco

AGAR—6 bls, D B Berelson & Co, Kobe
10 cs, Lees Agency, Kobe
AMMONIUM CHLORIDE—1,549 bgs, C M C Chemicals, Manchester,
BONEMEAL—2,953 bgs, Buenos Aires
CALCIUM CHLORIDE—1,029 bgs, C M C Chemicals, Manchester
CASTOR BEANS—157 bgs, Pacific Vegetable Oil Corp, Corinto
1,530 bgs, East Asiatic Co, Bangkok
1,775 bgs, Pacific Vegetable Oil Corp, Calcutta
OIL—95 dms, Mailliard & Schmiedell, Calcutta
COPRA—500 tons, Hondagua
500 tons, Basilan
500 tons, Pangi
500 tons, Mauban
CAKE—90 tons, Balfour Guthrie & Co, Cebu
283 tons, Pacific Vegetable Oil Corp, Cebu
MEAL—180 tons, Balfour Guthrie & Co, Manila
180 tons, Atkins Kroll & Co, Manila
84 tons, Innes & Stevenson & Sons, Manila
18 tons, Pacific Vegetable Oil Corp, Manila
CREOSOTE OIL—1,940 tons, Bernuth Lemboke Co, Kobe
FISHLIVER OIL—53 dms, Vitamins Inc, Yokohama
FISHMEAL—124 tons, W R Grace & Co, Callao
69 tons, Buenos Aires
GELATIN—20 dms, London
GINGER ROOT—60 bgs, London
MEATMEAL—107 tons, Van Waters & Rogers, Montevideo
PEPPER, BLACK—240 bgs, London
SESAME SEED—50 bgs, B C Ireland, Corinto
SODIUM BICARBONATE—303 bgs, C M C Chemicals, London
TANKAGE—787 tons, Buenos Aires
UREA—2,375 bgs, Wilson & Geo Meyer, Heroya
3,500 bgs, C M C Chemicals, London
WHITING—2,000 bgs, Paul Wood Co, London

Tenn. Eastman Moves in N. Y.

Tennessee Eastman Company is moving its New York offices today to a new location at 260 Madison avenue. The new telephone number is OREgon 9-1820.

Bids Wanted

Carbon tetrachloride, 12,000 qt. cns., Commanding Officer, Raritan Arsenal, Metuchen, N. J., inv. 347, June 6.

Casein, 4,000 lbs. Contracting Office, Chem. Corps, Camp Detrick, Frederick, Md., inv. 66, June 12.

Caustic soda, 250,000 lbs. soda, caustic lye, Commanding Officer, Raritan Arsenal, Metuchen, N. J., inv. B-346, June 6.

Chlorine, liquid, as required during the fiscal year 1953, Bu. of Prisons, Fed. Reformatory, Chillicothe, Ohio, inv. 5-3984, May 28.

Disinfectant, 6,000 gals., Fed. Supply Service, 1114 Commerce St., Dallas, Tex., inv. FW-21984, about June 10.

Drugs and Chemicals, Armed Services Med. Procurement Agency, 84 Sands st., Bklyn. 1, N. Y., 8,904 pt. bots. benzyl benzoate, 2,832 1-lb. bots. formaldehyde solut., 23,856 1-lb. bots. glycerin, 12,156 10-lb. cns. glycerin, 15,744 ¼-lb. bots. carbon tetrachloride, inv. 1673, May 29; 200 bots. of 1,000 sulphadiazine tabs., 500 bots. of 10 sulphobromophthalein sodium inject., 100 bots. of 100 di-iodohydroxyquinolin tabs., 500 pkgs. of 12 amyl nitrite ampuls, 100 bots. of 1,000 chloroquine phosphate tabs., inv. 115, June 12; 1,440 1-lb. bots. calcium chloride, 6,144 ¼-lb. bots. calcium gluconate, 192 bots. dimethylparaphenylenediamine hydrochloride, 192 1-oz. bots. galactose, 480 bots. glyceryl monoacetate, 3,312 pkgs. of 10 iodine and potassium iodide powd., 2,304 ¼-lb. bots. iodoform, inv. 1690, June 2; 4,268,160 1-oz. cns. foot powd., inv. 1717, June 2; Commanding Officer, Frankford Arsenal, Phila. 37, Pa., 18,000 lbs. heat treating salt, inv. 1142, June 4; 1,300 gals. deoxidine, inv. 1136, June 4; N. Y. QM Procurement Agency, 111 E. 16th st., N. Y. 3, N. Y., 19,460,000 bots. of 50 individual iodine water purification tabs., inv. 1757, June 3; 84,417 4½-oz. cns. flashburn protective cream, inv. 1796, June 6; Procurement Div., Veterans Adm., Wash. 25, D. C., 396 bxs. of 10 ampuls indigo carmine, 816 pt. bots. phenylephrine hydrochloride solut., 15,400 4-oz. tubes lubricating jelly, 1,104 1-lb. cns. white petrolatum, 960 1-oz. bots. peppermint oil, 2,040 qt. cns. olive oil, 2,880 1-oz. bots. lavender oil, 936 pt. bots. orange peel tinct., inv. A-124, June 2; Veterans Adm. Hosp., Northport, L. I., N. Y., liquid chlorine, copper sulphate, hydrated lime, for period July 1, 1952 to June 30, 1953, inv. 6, May 29.

Ferric chloride, approx. 600,000 lbs. in aqueous solut. for sewage treatment plant, Purch. Div., Gov. of D. C., East Adm. Bldg., 300 Indiana ave. N.W., Wash., D. C., inv. 15867-A, May 28

Ferromolydenum, 120,000 lbs., Contracting Office, Watertown Arsenal, Watertown, Mass., inv. 215, May 29.

Glue, 432 1-lb. pkgs. flake or ground glue, 96 1-lb. pkgs. of water resistant casein glue, 384 2-oz. tubes liq. glue, 624 ½-pt. cns. of same, Procurement Div., Veterans Adm., Wash. 25, D. C., inv. P-72, June 9.

Herbicide, 102,200 lbs. ammonium sulphamate, Corps of Engineers, P.O. Box 60, Vicksburg, Miss., inv. CIVENG-052-194, June 11.

Paint and Allied Products, Aviation Supply Office, Navy Dept., 700 Robbins ave., Phila. 11, Pa., 13,500 gals. bituminous emulsion coating, inv. B-54,314, June 3; 2,200 gals. interior enamel, 1,220 gals. camouflage paint, 350 gals. deck covering paint, 15,000 gals. exterior paint, inv. B-54,312, June 3; General Purch. Officer, Panama Canal Co., Wash. 25, D. C., 30,000 lbs. asphalt enamel, 600 gals. asphalt enamel undercoater primer, inv. 2-297, May 27; Veterans Adm. Hosp., Oteen, N. C., 300 gals. enamel, 1,500 gals. paint, inv. 163, May 29; Ordnance Assembly Plant, Army Chem. Ctr., Md., 1,500 gals. lusterless quick drying blue gray enamel, 2,000 gals. thinner, inv. 44, June 20; Fed. Supply Service, Region 1, 620 Post Office and Court House, Boston 9, Mass., 200 gals. enamel, 82 qts. enamel, 700 gals. paint, 310 gals. traffic paint, 48 gals. resin-base paint, 8,400 lbs. white lead, 226 gals. varnish, inv. BO-W-I-171, about June 6.

Sodium borate ore, 20 tons, Bu. of Reclamation, Denver Fed. Ctr., Bldg. 50, Denver, Col., inv. 704-SP-5029-B, June 2.

Sodium carbonate, 60,000 lbs., granular, Contracting Officer, Picatinny Arsenal, Dover, N. J., inv. 234, June 2.

Sodium hypochlorite, for period July 1, 1952 through June 30, 1953, Veterans Adm. Domiciliary, Camp White, Ore., inv. 10, June 3; sodium hypochlorite as required during the fiscal year 1953, Contracting Officer, Veterans Adm. Hosp., Walla Walla, Wash., inv. 11, June 13.

Sulphuric acid, 60,000 lbs., Contracting Officer, Picatinny Arsenal, Dover, N. J., inv. 236, June 2.

Tricresyl phosphate, 8,000 55-gal. dms., Aviation Supply Office, Navy Dept., 700 Robbins ave., Phila. 11, Pa., inv. B-54.318, June 5.

Trisodium phosphate, 162,700 lbs., Procurement Div., Veterans Adm., Wash. 25, D. C., inv. S-239, June 2.

Tung oil, 87,000 lbs., raw tung, chinawood, Aviation Supply Office, Navy Dept., 700 Robbins ave., Phila. 11, Pa., inv. B-54.320, June 6.

Wax, 1,375 gals. liq. floor wax, water emulsion, Purch. Office, Ft. Ord, Calif., inv. 69, June 25; 1,500 gals. water emulsion floor wax, QM Office, Aberdeen Proving Ground, Md., inv. 30, May 28; 31,050 gals. water emulsion floor wax, Aviation Supply Office, Navy Dept., 700 Robbins ave., Phila. 11, Pa., inv. B-54.311, June 4; Armed Services Petroleum Purch. Agency, Navy Mail Ctr., Wash. 25, D. C., 350,000 gals. paraffin wax, inv. 73, May 27.

Jefferson Adds Werley

Ralph E. Werley, jr., has joined Jefferson Chemical Company, New York, as a representative of its sales department staff. Mr. Werley was until recently associated with Cities Service Oil Company.

Trade Briefs

Dr. Foster D. Snell has been elected a Fellow of the Royal Society of Arts in London.

Robert L. Polk, vice-president in charge of Northam Warren Corporation's export division, has been elected a board member.

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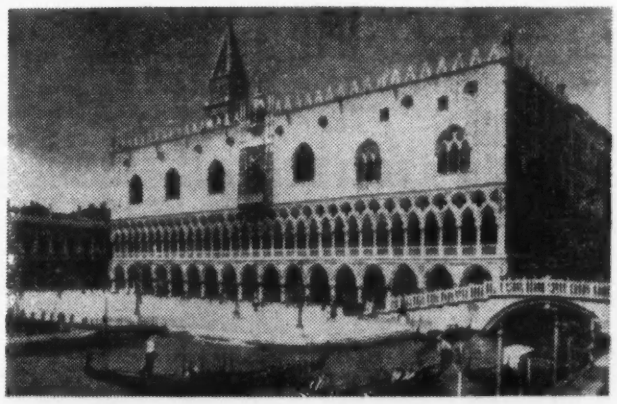

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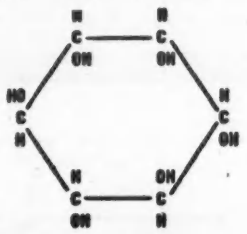

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Chemical Division

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Nat'l Colloid Symposium To Be Held June 16-18

The twenty-sixth National Colloid Symposium, sponsored by the American Chemical Society's division of colloid chemistry, will be held June 16 to 18 at the University of Southern California, Los Angeles, Calif. Soap compounds from lubricating greases, synthetic rubber, and wool fibers are three of the subjects to be discussed at the symposium. Advances in both pure and applied colloid chemistry will be reported in a total of thirty-one technical papers.

Dr. W. O. Milligan, associate professor of chemistry in Rice Institute, and chairman of the colloid symposium committee, will give the introductory address at the meeting's opening session on morning of the sixteenth. A report on the colloidal properties of bentonite clay by Dr. F. J. Williams and associates of the National Lead Company, Brooklyn, N. Y., is among the papers to be presented at this session.

Soap Aerogels from Lubes

"A Study with Soap Aerogels from Lubricating Greases" is the subject of a report by W. H. Peterson and Arnold Bondi of the Shell Development Company, Emeryville, Calif., which will be presented at the afternoon session. The structure of colloidal solids is the theme of this session.

The rise of water in soils by capillary action will be discussed at the morning session on June 17 by Prof. George J. Bouyoucos of Michigan State College. Some electrical properties of colloidal suspensions in oils will be described by Mr. Bondi and C. J. Penther of the Shell Development Company in the afternoon. Three other papers will be presented at this session.

Hydrogen Chloride Gas

Prof. Sidney W. Benson of the University of California will speak on the reactions of hydrogen chloride gas with solid proteins at the June 18 morning session. "Hydrogen Bond Interactions in Wool Fibers" is the title of a report by Dr. Harold P. Lundgren, senior chemist at the Western Regional Research Laboratory, Albany, Calif., which also will be presented at this sesion.

"The Role of Surface Active Agents in Wetting" will be described in a paper by Dr. Frederick M. Fowkes of the Shell Development Company at the closing session on the afternoon of the eighteenth. Five other reports are scheduled for presentation at this session.

Pfizer & Co. Promotes 5 in Antibiotic Division

Chas. Pfizer & Co., Brooklyn, N. Y., has announced five new promotions in its antibiotic division. Harvey H. Ashmead has been appointed field manager of the division's veterinary department. Burnett Maisel, formerly professional service representative in New York City, has been named manager of the Seattle, Wash., district.

New manager of the Kansas City, Mo., district is John W. Murphey, previously special hospital representative in Indianapolis, Ind. Mr. Murphey's district includes Kansas, western Missouri and eastern Nebraska. Frederick D. Wyllie has been appointed manager of the antibiotic sales district comprising northern California and Utah. He will make his headquarters in San Francisco, Calif. Mr. Wyllie joined Pfizer in April, 1950. Joseph A. Vevoda has been promoted from professional service representative to special hospital representative in the San Francisco, Calif., area. Mr. Vevoda joined Pfizer one year ago.

Lederle Resumes Operations But Expects Production Lag

Lederle Laboratories Division of American Cyanamid Company, Pearl River, N. Y., has resumed operations, following the settlement of a six-day strike that stopped all production. Several weeks are expected to elapse before full output is achieved, the company stated. Officials emphasized that inventories at distribution points are suffcient to supply all needs for some time.

Infrared Methods Lab Opened

Perkin-Elmer Corporation, Norwalk, Conn., has opened a new laboratory for evaluating infrared methods of analysis. The company, a manufacturer of infrared spectrometers and other electro-optical instruments, will conduct tests at the laboratory without charge for companies and research institutions interested in applying infrared methods to their research of control problems.

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Int'l Minerals Names Hamilton Amino Products Div. Mgr.

George B. Hamilton has been appointed general manager of the amino products division of International Minerals & Chemical Corporation, Chicago. Mr. Hamilton has been general sales manager of the division since February 1, 1950. He came to International in March, 1947, and in June of that year was appointed sales manager of the cereal products department of the amino products division. Successively, he became bulk sales manager for "Ac'cent" (monosodium glutamate) and general sales manager for the division. Before coming to International he was eastern sales manager for American Maize-Products Company.

Current Prices

—*Continued from page 35*

Zinc chloride, solution, 50%, dms., c.l., works	100 lbs.	4.75	—
l.c.l., works	100 lbs.	5.35	—
tanks, works	100 lbs.	4.10	—
NF, gran., dms	lb.	.42	—
Chromate (see Yellow zinc).			
Cyanide, kgs., over 1,000 lbs., works	lb.	.523	—
under 1,000 lbs., works	lb.	.543	—
Dust, bbls c.l., works	lb.	.23	—
l.c.l., works	lb.	.24	—
Fluoride, bbls., works	lb.	.40	—
Hydrosulphite, dms., c.l., frt. alld.	lb.	.21½	—
l.c.l.	lb.	.22	.37½
Iodide, NF, jars	lb.	4.92	—
Laurate, bbls	lb.	.45	.46
Metal, slabs, E. St. Louis	lb.	.19½	—
Naphthenate, liquid, 8% Zn, frt. alld	lb.	.23½	—
10% Zn, dms., frt. alld	lb.	.28½	—
Oleate, fused, bbls	lb.	.36	—
Oxide, pigment, dom., acicular, bgs. c.l., dlvd	lb.	.176	—
l.c.l., dlvd	lb.	.186	—
American process, com'l, lead-free, bgs., c.l., dlvd	lb.	.176	—
l.c.l., dlvd	lb.	.186	—
35%, bgs., c.l., dlvd	lb.	.1695	—
l.c.l., dlvd.	lb.	.1795	—
50%, bgs., c.l., dlvd	lb.	.1670	—
l.c.l., dlvd.	lb.	.1770	—
French process, com'l, green seal, bgs., c.l., dlvd	lb.	.1935	—
l.c.l., dlvd	lb.	.2035	—
red seal, bgs., c.l., dlvd.	lb.	.1885	—
l.c.l., dlvd	lb.	.1985	—
white, seal, bgs., c.l., dlvd	lb.	.1985	—
l.c.l., dlvd	lb.	.2085	—
USP, ctns., c.l., dlvd	lb.	.2085	—
l.c.l. dlvd	lb.	.2185	—

Zinc oxide Pac. coast prices 1c. higher; bbl. prices ¼c higher than bgs.

Zinc phenosulphonate, NF, gran., dms.	lb.	.39	—
powd., dms	lb.	.42	—
Resinate precip., dms., frt. alld.	lb.	.26	—
Silicofluoride, bbls., works	lb.	.13	.14
Stearate, tech., USP, ctns., c.l.	lb.	.37	—
ton, lots	lb.	.36	—
less ton lots	lb.	.39	—
Sulphate cryst., 22% Zn, bgs., c.l., works, frt. alld	100 lbs.	7.30	—
l.c.l., same basis	100 lbs.	7.70	—
flake, 25½%, Zn, bgs., c.l., works	100 lbs.	6.55	—
l.c.l., works	100 lbs.	6.90	—
powdered, 36%, Zn, bgs., c.l., frt. alld	100 lbs.	9.95	-10.45
l.c.l. same basis	100 lbs.	10.70	-11.20
Zinc sulphate in bbls., 40c higher.			
USP, gran., dms	lb.	.26	—
Sulphide, pure, bgs., c.l., dlvd	lb.	.2530	—
fluorescent, fib., dms., less than 1,000 lbs., works	lb.	1.10	1.90
phosphorescent fib., dms., less than 1,000 lb. lots, works.	lb.	1.85	2.50
Undecylenate, dms	lb.	2.25	2.50
Yellow (see Yellow, zinc).			
Zinc-ammonium chloride, bgs., c.l., works	100 lbs.	9.05	—
l.c.l., works	100 lbs.	9.45	—
Zinc-cadmium sulphide, fluorescent fib., dms., under 1,000 lbs., works	lb.	2.10	2.90
Zinc-calcium resinate, dms., c.l., works	lb.	.1180	.1360
l.c.l., same basis	lb.	.1220	.1400
Zinc-formaldehyde sulphoxylate, basic, dms., c.l.	lb.	.25½	—
l.c.l.	lb.	.26	.41½
normal, dms., l.c.l., works	lb.	.52	—
Zircon, (G), granular, bgs., c.l., works	lb.	.03½	—
5 tons to c.l., works	lb.	.03⅝	—
1 ton to 9,999 lbs., works	lb.	.03⅝	—
500 lbs. to 1,999 lbs., works.	lb.	.04	—
less than 500 lbs., works	lb.	.06½	—
milled, bgs., c.l., works	lb.	.04⅛	—
5 tons to c.l., works	lb.	.04⅜	—
1 ton to 9,999 lbs., works	lb.	.04⅝	—
500 lbs. to 1,999 lbs., works.	lb.	.05	—
less than 500 lbs., works	lb.	.07½	—
Zircon (G) in barrels, ¼c. higher.			
Zirconium acetate 13% sol ZrO_2, c.l., 30,000 lbs., minimum works	lb.	.23	—
Carbonate basic, cake bbls., works	lb.	No prices.	
Hydride, cns., works	lb.	7.50	-10.00
Nitrate, dms., ex whse	lb.	4.50	- 7.00
Oxide 98½-99% white grd., bbls. or bgs., works	lb.	1.50	—
lump electric-fused, bgs., c.l., works	lb.	.44	—
5 tons, works	lb.	.44½	—
1 ton to 9,999 lbs., works lb.		.45	—
500 lbs. to 1,999 lbs., works lb.		.45½	—
less than 500 lbs., works lb.		.48	—
milled, electric-fused, bgs., c.l., works	lb.	.59	—
5 tons, works	lb.	.59½	—
1 ton to 9,999 lbs., works lb.		.60	—
500 lbs. to 1,999 lbs., works lb.		.60½	—
less than 500 lbs., works	lb.	.63	—
Oxychloride, cryst., ctns., 5 tons, works	lb.	.32¼	—

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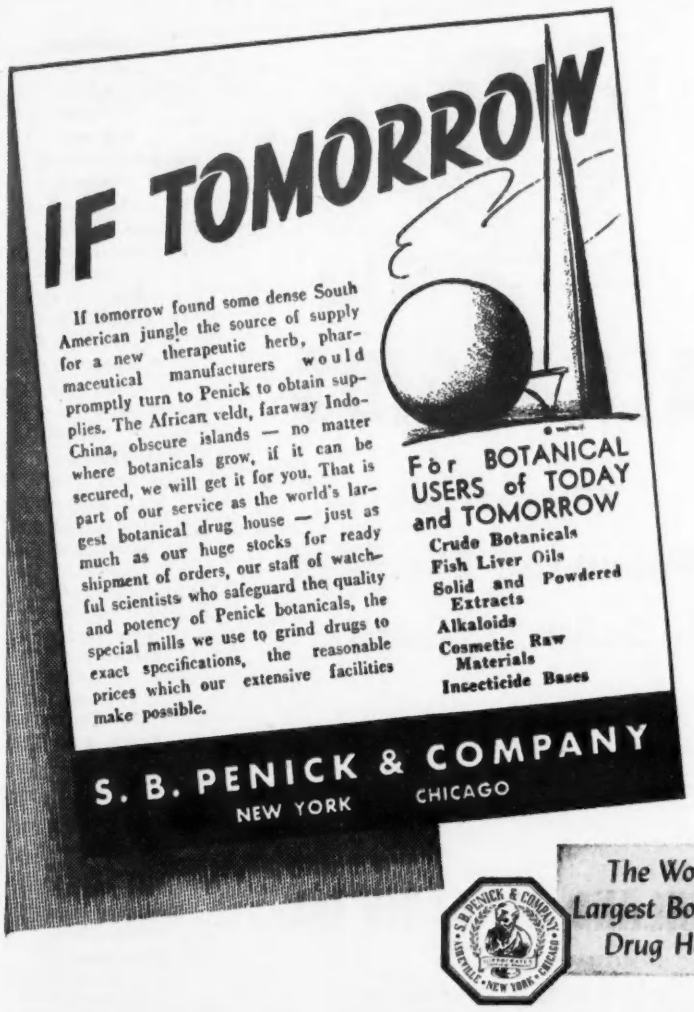
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Botanical Drugs, Spices, Gums

Botanical drug demand continued small and below normal volume even for the usually dull months in Spring. Aromatic botanicals also came in for only limited spot trading, in part because most members of the spice trade were meeting with the American Spice Trade Association in annual convention at Shawnee, Pa. However, there was enough strength in aromatics to bring twelve price advances, and enough price competition to create fourteen lower quotations. The market index held unchanged.

It was possible last week to learn something with respect to buying prices set up by some domestic primary market collectors seeking purchases of the 1952 crop from those who do the actual collection.

A study of prices currently offered primary market workers was made last week. Out of one hundred and twenty-three items priced, twenty-nine were raised above the levels proposed about a year ago. Thirty-seven items were worth less to collectors this year than last. And fifty-seven were posted at prices identical with those proposed last Spring.

Most lists specify drugs which the collectors want especially. Out of one hundred and twenty-three items listed for purchase, seventeen were in the specially wanted category this year, which compared with twenty-six so wanted last Spring. Of the above mentioned seventeen drugs, eleven of them had also been especially wanted a year ago, and six of them had not been so wanted in the 1951 list. And of the twenty-six especially wanted last year, fifteen drugs were dropped from the specially wanted category this year.

Barks

Black Haw—Buying prices on root bark have been posted 5c. per pound below prices prevailing a year ago by some collectors at the source.

Elm—Slippery elm bark at this time fetches some gatherers 3c. per pound less than they received last year at about this season of the year.

Fringetree—Some primary market collectors have set an early season buying price at levels 5c. per pound below those at which they offered to buy about a year ago.

Jersey Tea—Some collectors at the origin offer to buy new crop at an advance of 5c. per pound over the price offered just about a year ago.

Shonny Haw—Bush bark brings some gatherers 1c. more than a year ago. Root bark, however, fetches them 5c. less than last year.

Sassafras—Unrossed root bark brings some peelers 1c. more a pound this year than a year ago. Rossed bark, however, in some instances was listed 5c. lower than buying prices last year.

Wahoo—Buying prices this Spring in some instances are fully 20c. per pound lower on root bark than was paid at the corresponding time in 1951.

Wahoo—Some collectors expect to obtain new crop root bark at 20c. per pound below what they were paying a year ago this Spring. If they get material at the currently quoted buying price, it could mean a lower price to consumers when distribution is possible.

Beans

Vanilla—Conditions changed very little during the past week. Buying was not more than fair in size despite the fact that importers continued to urge the safety of consumer purchases at this time. The outlook for future supplies was no better than it was a week ago and it appeared that smaller world production might eventually succeed in raising replacement costs—a development longed for by the actual producers of beans at the origins.

Flowers

Clover—Red clover tops in some instances are bringing the gatherers 15c. per pound more than they did a year ago. It may be recalled that there was a sharp reduction in spot prices a short time back, apparently reflecting the lower value which some collectors are now placing on new crop.

Elder—Some primary market collectors have posted their early season buying prices on this item and during the past week it was learned that the price at which they offer to take in the new crop is precisely that which prevailed a year ago.

Gums

Arabic—The market was not very active. A fair amount of buying for immediate use was noted but the quantities taken were usually within jobbing size. Prices continued on sorts on the basis of 15c. to 15½c. per pound as an asking figure.

Benzoin—Most sellers held fairly steady price views last week. At least, the market on Sumatra gum was not lowered again and considerable resistance to bids at less than 38c. to 44c. per pound appeared to have developed in some directions.

Herbs and Leaves

Catnip—Early season buying prices have come to notice. Leafy catnip in some quarters is priced 2c. over the opening prices a year ago. On the other hand, catnip leaves and tops has been set 5c. below prices paid last year by some collectors. Future price trend will depend on the size of collection and the known needs of buyers.

Liverwort—Seeking to increase collection this year, some primary market collectors have advanced buying prices 15c. per pound over those a year ago at this time.

Lobelia—Leafy herb has been reduced 3c. from buying prices prevailing at the corresponding time last year. Some lists do not post buying prices on lobelia leaves.

Majoram—Prices on Chilean material were reduced to 21c. to 21½c. per pound. Quotations on other varieties were unchanged.

Mullein—Collectors show little interest in acquiring mullein this year. To that end, some have reduced buying prices 2c below prices posted last Spring.

Passion Flower—At last, some idea about collectors' ideas on buying prices has developed and in some quarters they offer to pay 4c. less than they wanted to

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

Drugs

None

Other Articles

Cassia, China, Canton rolls, ¼c. per lb.
Honan-Yunnan rolls, unscraped, ½c. per lb.
Saigon, broken, 1c. per lb.
medium, 1c. per lb.
Clove, Madgascar, 2c. per lb.
Zanzibar, 1c. per lb.
Coriander seed, Czech, ½c. per lb.
Moroccan, ¼c. per lb.
Cumin seed, Indian, ¼c. per lb.
Pepper, black, spot, 3c. per lb.
Pimento, Jamaica, ¼c. per lb.
Turmeric root, Alleppey, ½c. per lb.

Prices Reduced

Drugs

Ginger root, African, May-June steamer, 1c. per lb.

Other Articles

Anise, Chinese, afloat, 10c. per lb.
Czech, ½c. per lb.
Caraway seed, Dutch, ¼c. per lb.
Cardamom, decorticated, Guatemalan, 5c. per lb.
Cassia, Batavia, cuttings, ½c. per lb.
longstick, ½c. per lb.
Mace, Siauw No. 1, 1c. per lb.
West Indian, 1c. per lb.
Marjoram, Chilean, 1½c. per lb.
Nutmegs, East Indian, 1c. per lb.
splits, 1c. per lb.
Poppy seed, Dutch, ¼c. per lb.
Turmeric root, Madras, ½c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	July 1, 1950	May 25, 1951
212.6	212.6	216.8	181.9	227.4

(For Current Prices see Page 9)

Imports Detained by FDA

Two Weeks Ended May 16

New York

nise seed, 153 bags: filthy.
assia, 5 lots, 467 bags: filthy.
elery seed, 84 bags: filthy.
illies, 138 bags: filthy.
nchophen, 1 bottle: labeling.
oves, 7 lots, 569 bags: filthy.
olor, food, 2 lots, 4 cartons: non-permitted coaltar color.
uminseed, 2 lots, 480 bags: filthy.
andelion roots, 58 bags: filthy.
emon oil, 40 cases: oil other than lemon substituted.
ice, 4 lots, 96 cases: filthy; moldy.
utmegs, 4 lots, 500 bags: moldy and wormy.
pper, black, 4 lots, 308 bags: moldy.
white, 14 bags: dead insects.
alerian root, 31 bags: filthy.

Boston

iganum, 66 bags: insect infected.

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KELMAR... For dental impression compounds
KELCOSOL... For shampoos, tablet binding, bakery jellies
KELCO-GEL... For icing base, food and dessert gels

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do businesss at at the corresponding time in 1951.

Peppermint—Some collectors have cut buying prices 5c. below those prevailing in the Spring of 1951 on leaves. Leafy herb has been reduced by 2c. per pound.

Prince's Pine—New crop goods this Spring are worth 5c. per pound more to some collectors than was offered a year ago.

Spearmint—Gatherers of leaves selling to some collectors at this time receive 5c. per pound less than they did a year ago at the corresponding period. And herb fetches them 2c. less.

Squaw Vine—A rise of 5c. per pound in 1952 buying prices over those prevailing a year ago has been set by some primary market collectors.

Stramonium—Some collectors of domestic leaves quote 5c. per pound less to gatherers than they did in the Spring of 1951. They offer far less than imported goods bring on spot.

Witch Hazel—New crop this year is valued 2c. per pound over the Spring buying prices prevailing a year ago. At least, some collectors have upped the prices they will pay.

Miscellaneous

Balm of Gilead—Some collectors this Spring are paying 10c. per pound more for dried buds than they did about a year ago. The buying price for wet buds remains unaltered in such quarters.

Indian Turnip—A 15c. per pound price upping over the buying prices prevailing a year ago has been set this Spring by some collectors.

Roots

Angelica—Collection of domestic root will bring some diggers 30c. por pound less than they obtained a year ago at the corresponding time, according to buying prices now offered by some collectors in the primary market.

Blood—The start of the collection season finds some prices to diggers 10c. per pound lower than a year ago. This fact may reflect the recent rather substantial drop in spot quotations.

Cohosh—Black cohosh bears a price to diggers that is 1c. per pound lower than collectors offered a year ago in the early Spring. The price to be paid for blue cohosh remains at the level prevailing a year ago.

Cranesbill—Although a comparatively small item in the botanical market, still primary market collectors this Spring offered to pay diggers 4c. per pound more than they did a year ago.

Gelsemium—Primary market collectors in some instances offer to pay 2c. per pound above the prices they offered diggers last Spring.

Goldenseal—The small volume of sales that prevailed since the 1951 crop has affected the ideas collectors have with respect to what they will pay diggers this year. In some instances, the 1952 buying price this Spring is 50c. per pound below the opening prices a year ago.

Helonias—Primary market collectors evidently place a lower value on new crop goods this year than they did a year back. According to buying lists compiled by some collectors, diggers are offered 20c. less than in the Spring of 1951.

Lady's Slipper—The slump in use of this root is reflected this year in the prices some primary market collectors will pay those who dig the item. As compared with last Spring, current brings in some cases are 35c. por pound lower.

Pleurisy—Some source collectors hope that, by paying 17c. per pound over what they would pay last Spring, some gain in deliveries to warehouses may take place.

Turmeric—Alleppey root was a fraction higher at 10½c. to 11c. per pound, while Madras root was shaded to 9c. to 9½c. These prices were in line with replacement costs, it was said.

Yellow Dock—Domestic root buying prices have, in some instances, been raised 4c. per pound over Spring levels in 1951.

Seeds

Anise—Star anise afloat was offered at 65c. to 66c. per pound, or 10c. below levels recently prevailing for spot goods. Czech seed was shaded to 13c. to 13½c. last week.

Caraway—Under competition on spot, holders reduced quotations to the basis of 10c. to 10¼c. per pound last week.

Cardamom—Save for a drop of 5c. in quotations on Guatemalan decorticated seed, quotations in the entire cardamom group were maintained unchanged.

Coriander—Czech seed was raised to 7½c. to 8c. per pound and Moroccan was also upped, reaching 7¼c. to 7½c. Argentine remained at 8½c. to 9c. when available.

Cumin—Indian seed rose a fraction to the basis of 17¾c. to 18c., at which price Iranian and Syrian seed were also priced. Moroccan was still 19c. to 19½c.

Poppy—Lack of demand kept competition presssing the spot market and brought a shade lower pricing on the basis of 13c. to 13½c. per pound.

Spices

Cassia—Batavia cuttings were shaded to 13c. to 13½c. per pound. Longstick was down to 15c. to 15½c. Chinese Canton-Kwangsi rolls were higher at 18¾c. to 19c. Unscraped Honan-Yunnan rolls were advanced to 24½c. to 25c. All medium Saigon was raised to 28c. to 29c. per pound and broken material became more valuable at 25c. to 26c.

Clove—Spot prices continued to advance. Madagascar spice ended last week at 91c. to 92c. per pound and Zanzibar stood at 93c. to 94c. at the week end.

Ginger—Price stability was evident in the spot market. Also, in primary markets everywhere except that African root on a May-June steamer was cheaper at 16c. to 16½c.

Mace—Siauw No. 1 and West Indian mace were lowered to 84c. to 85c. per pound.

Nutmegs—East Indian whole nutmegs were down to 31c. to 32c. per pound and splits became 30c. to 31c. West Indias did not change.

Pepper—Around midweek, spot black pepper was bought at $1.33 per pound, after which asking prices became $1.34 to $1.35. At that time, May shipment was held at $1.28 per pound; June shipment, $1.22, and July shipment, $1.15. Since most grinders were out of New York city and attending the annual meeting of the American Spice Trade Association, practically all transactions—if any—took place at Shawnee, Pa. However, some buyers in parts of the country remote from New York did enter contracts with brokers in that city. Conditions in the Far East still suggested later tightening of spot supplies because of small exports in April, and in May to date. White pepper held at $1.75 per pound for spot, $1.65 afloat, and $1.50 on a May steamer.

Friday spot quotations on black pepper were as follows:—Spot, $1.33 per pound; May shipment, $1.26 to $1.27; June shipment, $1.19; July shipment, $1.13.

Cooley, Lueders Pacific Coast Manager, Resigning

Paul L. Cooley, manager of the Pacific Coast branch of George Lueders & Co. in San Francisco, Calif., has announced his resignation from the company, effective June 5. Mr. Cooley, who has been with the Lueders organization for more than twenty years, will be succeeded in the west coast post by William J. Feeley. The new Pacific Coast branch manager has been with Lueders for fourteen years attached to its New York headquarters office.

Chicago Cosmetic Chemists To Hear Gershon June 10

The Chicago chapter of the Society of Cosmetic Chemists will hold its next meeting June 10 at 6:30 p.m. at Henrici's Restaurant in the Merchandise Mart, Chicago. Guest speaker will be Dr. S. D. Gershon, research manager, Pepsodent Division of Lever Brothers Company, New York, who will discuss the need for a critical evaluation of scientifically controlled tests, designed to determine the effectiveness of cosmetics and related products.

Lever Names Henry Meade Perfumery Materials Buyer

Lever Brothers Company, New York, has announced the promotion of Henry J. Meade to the post of buyer of perfumery and flavoring materials. Mr. Meade joined the company in 1943 as a laboratory technician in the Harriet Hubbard Ayer cosmetic division. Since 1949 he has been head of quality control at Ayer's Long Island City plant.

Dodge & Olcott Removes Sales Office in Boston

Dodge & Olcott, Inc., has announced the removal June 1 of its Boston sales office to room 428-B, Park Square Building. Edward J. Wyluda has been named manager, succeeding the late Frank J. McCarthy.

Trade Briefs

Winthrop-Stearns, Inc., New York, is now marketing "OpH," a new eye lotion with "Neo-Synephrine" hydrochloride.

Foster D. Snell, Inc., New York, has been named official laboratory of the Association of Food Distributors.

Essential Oils, Other Aromatics

An extremely dull situation was reported in the essential oils and aromatic chemicals market last week. According to dealers, there was virtually no demand over and above the routine business, except for a few isolated items, such as the citrous, spearmint and wormseed oils. It was reported that there has been a noticeable increase in the number of offers from abroad, which observers believed was an indication that business was none too good in some foreign markets. Supplies were said to be quite good with the exception of some tight items and prices, in many cases, were found to be close to the 1939 level. It was rather odd, in the light of these findings, that the only price changes last week should have been in an upward direction. Some of them, notably anise, spearmint and wormseed oils, reflected a tightness of supplies and a sudden increase in buying interest. The advances in cedarwood, guaiacwood and lemongrass oils were merely adjustments made by individual dealers. Neroli oil, a scarce high-priced item, was higher because of advanced costs. The price index advanced 1.7 points to 198.0.

While most essential oils were in plentiful supply, there were some that continued to present a problem to both dealer and consumer. Among these was bergamot oil, which was available in extremely limited quantities and continued to be very costly. Another of the very tight items was clove oil. It was virtually unobtainable at this time because of scarcity of supply and the greatly advanced cost of the raw material, which could not be absorbed in the resale price. Lemon and grapefruit oils were very scarce and were both currently in demand. Orange oil, while somewhat more plentiful, was also a firm item. A sudden spurt of interest in both spearmint and wormseed oils caused those two tight items to move still higher in price. The only other oils which have given cause for concern were anise and cassia, both of which originate in China, from which all supplies have been cut off.

Market Trends

Prices Advanced

Anise oil, 10c. per lb.
Cedarwood oil, 5c. per lb.
Guaiacwood oil, 10c. per lb.
Lemongrass oil, 10c. per lb.
Neroli oil, French, $20 per lb.
Spearmint oil, 40c. per lb.
Wormseed oil, 15c. per lb.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	July 1, 1950	May 25, 1951
198.0	196.3	201.5	132.7	221.2

(For Current Prices see Page 9)

Essential Oils

Angelica—There was a narrowing of the price range of this high-priced oil last week. The root oil was offered by a few dealers at $110 to $115 per pound and the seed oil was priced from $90 to $100 per pound. Of limited application, the oil was available in sufficient quantities to cover any requirements.

Anise—This oil grew steadily stronger as supplies dwindled. The lowest quotation found on the spot market last week stood at $1.90 per pound, some 10c. per pound higher than the previous week. The range of prices was also extended to $2.35 a pound. From all indications the material can only be expected to grow firmer because of the lack of replacement.

Bay—This was one of the few oils which was reported to be quite firm at the origin at the present time. On the spot market there were limited supplies of both Puerto Rican and West Indian oils, but there was also a light demand and all inquiries could be covered. No change occurred in the price range.

Bergamot—One of the tightest materials on the market, this oil was offered in extremely limited quantities only. The Italian sources could ship only small amounts of oil and those were priced at the same high level that has existed for many months. The spot quotations stood between $15.75 and $16.50 per pound.

Cananga—The range of quotations for the native oil was narrowed down last week when the highest price moved to $9.75 a pound. Other offers started at $9 a pound. Rectified oil was steady at $11.50 to $12.50 per pound. Limited quantities were available but they were adequate to cover the small demand.

Cassia—Like anise oil, this material grew steadily shorter. With no chance of obtaining replacements from China, it could be expected to become still more scarce as time goes by. No change occurred in the market prices, although there were fewer offers at the low end of the range.

Cedarwood—An increase of 5c. per pound was reported in the minimum quotation of this material. This placed the market at 55c. to 65c. per pound. The market was quite firm and replacements were held in strong hands, producers claiming that the cost of production makes necessary the prices asked.

Citronella—No appreciable change took place in this market last week. There remained abundant supplies of the Java-type oil from Formosa at very low prices and further shipments were expected. It has been reported that the low price of this oil has discouraged production in Guatemala which must meet the competition, although production costs in that country were quite a bit higher. This has led to reports that the 1952 crop in Guatemala will decline some 40 percent from the output in 1951. Ceylon oil was also in good supply at steady prices. Because of the higher prices of true Java oil, that material has become of minor importance on the spot market at this time. The market was expected to remain favorable to the consumers, who were taking a good deal of oil for the preparation of its many important derivatives, all of which were currently priced quite low.

Dillweed—Since this market has been dormant since last fall, there has been no change in the supply situation, which remained quite comfortable. Prices also remained at a steady level of $3.75 to $4 per pound. The season of active consumption was quickly approaching and suppliers were optimistic about their ability to cover all the requirements of users. The next crop will be due during the summer and should replace material disposed of during the spring season.

Eucalyptus—Primary shippers of this which have been in great demand in oil, particularly those in Australia, have continued to show a great deal of strength in the pricing of the material. Observers stated that this was an unusual situation at this time of the year when, following the close of the buying season, the material normally eases. However, it has been reported that there was not too much material available at the origin and sellers were unwilling to come down in their quotations. On the spot market, the range of prices remained unchanged.

Ginger—Based on the recent reductions in the cost of the spice, this oil was quite easy on the spot market. Prices continued at the recently reduced level of $15 to $20 per pound. Supplies were ample and the market was generally favorable to the consumer. A moderate demand was reported.

Guaiacwood—An increase of 10c. per pound appeared in the minimum spot quotation of this material, placing the range at $1.80 to $2.10 per pound. This was not an indication of much strengthening of the market, but was merely an adjustment of prices. The market was quite steady and of limited interest to consumers.

Juniper Tar—There has been a recent decline of several cents in the replacement cost of this material, according to the trade. This has resulted in some lowering of prices on the spot market. The minimum quotation remained unchanged at 42c. a pound. Other quotations ranged to 45c. per pound. There were good quantities available on spot and only a mild interest shown by consumers.

Lemon—This continued to be one of the few oils which stirred interest among consumers in an otherwise rather sluggish market. Currently in great demand for the preparation of soft drinks and summer confections, the oil was far too scarce for comfortable trade. The Californian oil was very limited in supply and was priced very firmly at $5.85 to $6 per pound, depending upon brand. The Italian oil remained as in the previous week. Some additional offers have come from that source at somewhat more favorable prices, but the market, in general, continued to be firm and rather high. Quotations ranged from $5.65 to $8.20 a pound.

Lemongrass—A slightly firmer tone was exhibited by this market last week when the minimum quotation rose 10c. per pound to $1.60 a pound. Quotations ranged to $2 a pound. Observers in the industry

For Late Market Developments, See Page 4

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were of the opinion that the advance was the result of a recent increase in interest. The general trend in this market has been toward higher prices when buying increased followed by a drop of sales which, in turn, brings a return to lower prices. There were good quantities of oil available on the spot market and replacements were readily obtainable. The new crop was expected next month and should keep the oil in steadily good supply.

Neroli—This high-priced oil moved higher last week. The lowest quotation reported stood at $195 per pound and other offers ranged to $210 a pound. There was a very limited demand for this material because of its high cost and suppliers were able to cover any inquiries for it.

Nutmeg—According to the trade, there has been a slight decline in the cost of replacement of East Indian oil with the result that the market was quite easy on spot. Quotations were made between $3.80 and $5 per pound and consumers could obtain all the oil that was needed. West Indian oil was also in a favorable position at $3.60 to $4 per pound.

Orange—No change was reported in this active market last week. Demand kept up as is usual at this time of year, when producers of soft drinks make preparations for the summer season. There were fairly good supplies of oil available, but shippers have been holding their material for high returns. As a result, there was a good deal of strength evident in the market. Californian oil was quoted at $1.80 to $2.75 per pound, according to producer, and the Floridian variety was priced from $1.80 to $2.25 a pound. Very little was being done with the imported varieties, all of which were quite a bit higher in price than was the domestic oil.

Patchouli—There have been reports that some strength has been added to this market, based on the increase in shipping quotations. However, spot prices continued at the easy level of $7.50 to $14.75 a pound and there was still very little interest shown by consumers. Supplies continued large.

Peppermint — Supplies of this oil appeared to be comfortably adequate to cover the rather light demand at present. Prices were steady as they have been for many months and, should replacements be necessary, it was reported that there were still some stocks to be had in the country.

Rosemary—Replacement stocks were said to be in very firm hands at the origin and costs were reported to have risen some 5 percent. This has not yet been reflected in the spot market, but there were signs of firmness in the quotations of 85c. to $1.10 a pound. According to dealers, there has been some buying interest shown in recent weeks.

Sandalwood—While the minimum quotation remained at $9.75 per pound, there has been some strengthening elsewhere in this market. Most offers ranged from $10.50 to $15.50 per pound. There were good supplies available on spot and dealers could cover all orders received. The demand has been rather mild.

Sassafras—Natural oil was not too plentiful on the spot market and replacements were rather high in price, based on the high cost of labor and production, according to distillers. Market quotations ranged from $1.80 to $2.20 a pound, with offers mainly at $2 a pound. The artificial oil was in a very comfortable position of supply at prices which were quite favorable, ranging from 60c. to 95c. per pound.

Spearmint—A recent increase in buying interest has helped to add strength to this already strong market. According to the trade, the lowest quotation made last week stood at $8.25 per pound, an increase of 40c. over the previous minimum. Prices ranged to a high of $8.75 per pound. Very limited quantities remained unsold and it

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will be several months before the next crop comes due.

Wormseed—Heavy inquiries have been coming in for this scarce oil, according to dealers. It was expected that this would stir up the market, which has been kept rather quiet by small offerings from the country. The lowest quotation last week showed an advance of 15c. per pound at $8 and other offers ranged to $8.75 a pound. Quotations for shipment were said to be higher than the minimum spot offer.

Aromatic Chemicals

Benzophenone—Producers had no trouble meeting the requirements of users as stocks of this material remained ample and output was steady. Basic materials were readily obtainable. Prices held firm at $1.40 to $1.70 per pound.

Benzyl Chloride—According to manufacturers of this chemical, the market was quite steady. Demand was said to be normal and all regular quotas could be filled without difficulty. No change occurred in the pricing schedule. In carlots, the item was offered at 21c. per pound. It ranged to 24c. for smaller quantities.

Decyl Alcohol—This market was without special feature. Producers could supply all that was needed and stocks were comfortable. A moderate demand was reported and market quotations were steady at $1.70 to $2 per pound.

Ethyl Vanillin—Although vanillin has become considerably easier as to supply, this related material remained somewhat tighter. One large producer continued to allocate supplies at 70 percent of contract quotas. It was reported, however, that the situation was expected to improve. Quotations for the material were unchanged at $6.75 to $7.45 per pound.

Geraniol—From all indications this market should continue to be quite favorable to the consumers. The cost of citronella oil continued to be very low and there were signs of further declines because of the drop in the price floor in Formosa. Supplies of the aromatic were large and production was easily maintained. A fairly active interest was shown in the material.

Musk—It has been reported that the supply picture of this material has eased to some extent, making it possible for all requirements to be filled from the steady supply. Ambrette, which had been rather tight, was reported to be in good supply at present. Ketone and xylol were also readily available. Market quotations for all varieties remained steady and unchanged.

Vanillin—The supply situation of this material was reported to have eased to some extent. The guaiacol derivative was currently being allocated at 100 percent to contract customers. Lignin vanillin was in good supply. Several new suppliers were planning to enter into the production of this variety in the near future. Prices for these two types remained unchanged at $3 to $3.15 per pound, depending upon quantity. The eugenol derivative, on the other hand, was somewhat tighter. Eugenol was in a difficult position because of the shortage of cloves, and only the good supply of clove leaf oil made production possible at this time. In some quarters, the item was nominally quoted at $5.50 per pound. Elsewhere it was priced as high as $7.25 a pound.

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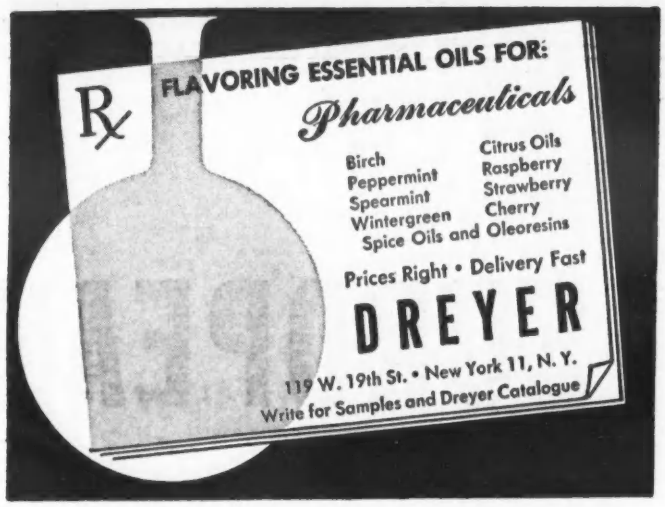

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Oil, Paint and Drug Reporter

30 Church Street, New York 7, N. Y.

Protective Coatings Materials

Casein from the Argentine dropped last week as that country removed the floor price. Lead products were lower as a result of the recent price easings in lead metal. Bleached, superfine and TN grades of shellac were also decreased. A sharp drop was noted in tributyl phosphate. The price of antimony oxide followed the downward trend of the metal. The weekly index figure dropped 4.2 points.

Acetylene black continued at its usual, good levels of demand, with the rubber and dry cell industries taking it in sizable amounts. Lamp black was moving slowly into the paint and ink industries, although in other fields the demand was holding up well. Lead pigments were quiet following the recent changes that occurred in sympathy with the changes in the metal.

Pumice maintained a normal position on demand. Rottenstone continued to move at a fairly good rate. Slate flour was not being sold in great amounts, but it continued to keep an even tone. Smalt was in small demand, showing the effects of the new materials on the market for use in signs.

Alkyd resins were in steady demand, although it was not particularly high. Ester gum was slow and it was thought that buyers were holding their inventories down to a minimum because of the recently-falling prices. Purchasing of maleic resins was steady, but pretty much on a hand-to-mouth basis. Supply of petroleum hydrocarbon resins had been affected in some sections of the industry by the oil strike, although in others stocks were good. Phenolic resins were in normal position. Demand for polyvinyl acetate and formal was reported better. Urea-formaldehyde resins were a little on the slow side.

The natural gums picture showed no particular change, and there was little buying ahead. Demand for the phthalates varied somewhat as to the individual material, but on the whole things were running at about normal levels. Shingle stain oil was without particular feature. Stearates were in a so-so demand, with most of the buying small.

Prime Pigments

Antimony Oxide — The carload figure moved down 3½c. and the less carload 3c. last week in sympathy with the falling market in the metal. Some producers were still at the old price at week's end, however.

Black, Acetylene—This item, which seldom fluctuates on demand, was running along at the usual, good level during the past week and there were no indications that conditions would be otherwise in the foreseeable future. One producer pointed out that it was runing close to capacity now, with a good demand evident from the rubber and dry cell industries. Prices were unchanged at 16c. in carloads and 20c. to 22c. in less than carloads.

Black, Lamp—Demand from the paint and ink industries was reported to be slow, although in other fields it was holding up well. Supply was high enough at the present time to take care of the normal requirements of consumers without any particular difficulty. Prices were unchanged.

Zinc Oxide—Production of zinc oxide, both lead-free and leaded, continued to decline to 14,864 short tons during March, according to the Bureau of Mines. Total stocks on March 31 were 31,646 tons compared with 30,596 tons on hand on February 29. March output of 2,389 tons of leaded was 17 percent below February and the lowest monthly rate of production since July, 1949, when the total was 2,222 tons. Lead-free production of 12,475 tons was 2 percent higher than the February total of 12,203 tons. Total shipments of zinc oxide of 13,814 tons were 2 percent less than the previous month. Sales of leaded rose 30 percent to 2,596 tons, whereas shipments of lead-free declined 7 percent to 11,218 tons.

Protective Coatings Shipments

The following table is from the Bureau of Census, indicating total factory shipments of paint, varnish and lacquer in the first two months of this year:—

	February* 1952	March 1952
Total Sales	$106,386,000	$112,082,000
Trades sales of paint, varnish, and lacquer,.	64,778,000	69,965,000
Industrial sales, total	41,608,000	42,117,000
Paint and varnish	31,808,000	31,988,000
Lacquer	9,800,000	10,129,000

* Revised.

Market Trends

Prices Advanced

None

Prices Reduced

Antimony oxide, c.l., 3½c. per lb.
l.c.l., 3c. per lb.
Casein, Argentine, 2¼c. per lb.
Lead, linoleate, 2½c. per lb.
Naphthenate, liquid, 16%, ¼c. per lb.
24%, ½c. per lb.
solid, 37%, 1½c. per lb.
Oleate, 3½c. per lb.
Tallate, liquid, 16%, ¼c. per lb.
24%, ½c. per lb.
Shellac, bleached, 1c. per lb.
Superfine, 1c. per lb.
TN, 2c. per lb.
Tributyl phosphate, 11¼c. per lb.

Comparative Price Indexes

(100—August 1, 1914)

Last week	Prev. week	Last month	July 1, 1950	May 25, 1951
189.0	193.2	215.3	173.7	212.8

(For Current Prices see Page 9)

Fillers and Extenders

Pumice—Demand for the domestic held at a normal, even level last week, as it has been doing for some time and there were no indications that there would be any immediate changes in this situation. Supply was at strong enough levels to accommodate the market without pinch. The coarse ground, ½ to 3, was posted at 3⅝c. to 4¼c. in ton lots and at 3⅞c. to 4½c. in less than ton lots.

Italian continued in a demand position that was characterized as pretty good, while the supply was sufficiently high to take care of it. Silk screen, coarse, was at 6½c. and the fine at 4c. Sun dried, coarse and fine, were at 2½c.

Rottenstone—The carload price of this material held at $40 and the less carload figure at $48. Demand was reported to be at about a fair level and has held up during the past months. Supply was high enough to take care of normal requirements without difficulty.

Slate Flour—Demand was not at a high level, but it was continuing on a normal basis and showed no great ups or downs. Supply was strong enough to obviate any difficulty in the filling of orders. In carloads the material was at $7.55 to $13 and in less than carloads at $19.85 to $27.35.

Smalt—The black held at 15c. and the blue at 18c. last week. Demand was small since use in the last several years has fallen off with the advent of new materials for signs. Supply was at a high enough point to satisfy the market easily.

Synthetic Resins

Alkyds—A steady, although not particularly high demand, characterized the market during the week, which was pretty much a continuation of conditions of the recent past. Supply was running in balance with the consumer interest.

Gum, Ester—Demand was reported to be slow. As one producer put it, "You have to get out and hustle in order to sell." Buyers were holding their inventories to a minimum because of the recently-falling prices. Normally a very competitive item on price, it was at 14c. to 14½c. for the gum rosin type and 14c. for the wood rosin type. Supply was at high enough levels to take care of the market comfortably.

Maleics—The overall demand picture was called fair. Buying was reported to be steady, but it was pretty much on a hand-to-mouth basis. Supply was high enough to satisfy normal consuming interest.

Petroleum Hydrocarbons—In some segments of the industry supply was at a good level, since adequate stocks were on hand before the beginning of the labor troubles. In other quarters, however, the strike affected stocks. Demand was continuing at good levels and prices were holding firm.

Phenolics—Demand continued at a level that was considered normal and steady but most of the buying that was being done was in small quantities. There were no difficulties being encountered in the supply situation.

Polyvinyls—A better demand for acetate and formal was reported. It was said that the consuming interest had picked up in the last month. It was thought that inventories in the hands of consumers had been allowed to dwindle to a pretty low point and needed replacing. There was enough material available in the hands of producers to fill any normal market needs.

Urea-Formaldehyde—Demand was still at a reasonably good level, although it was

For Late Market Developments, See Page 4

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a little slower than it had been. Supply was high enough to obviate any difficulty in taking care of the normal needs of the market.

Natural Resins

Consumers of gums appeared to be marking time as far as purchases were concerned during the past week. Business remained quiet, which was a continuation of the conditions that had been evident in the market for several weeks. It was said that consumers were only taking on goods when they needed it for immediate use and most of the orders were for small amounts. Some were showing a little greater interest, but on the whole, there was not much buying ahead.

Enough material was available on the New York market to take care of the current requirements of consumers although it has been pointed out from time to time that if there should be a sharp increase in ordering there would probably be a resultant tightening on domestic supply. Stocks at the point of origin were said to be sufficiently high to satisfy the requirements of purchasers and, except for some slowness in shipping, there were no transportation problems.

Shellac—Bleached grades came down 1c. per pound last week. Superfine was also down 1c. and TN was lower by 2c. Bleached, bonedry, in 1,500-pound lots, became 48c. in bags, 49c. in barrels and 51c. in kegs. The refined was 10c. higher. Superfine settled at 30c. to 32c. while TN became 28c. to 31c.

Bleached came down as a result of the recent declines in the orange grades. Demand for the bleached was on the spotty side, although, on the whole, it was better than it was for the oranges. Most of the purchasing that was being done at this time was for small lots for immediate shipment. Recent declines in price for both the bleached and orange grades had discouraged any long-term purchases.

The new crop in India was now down from the hills in good quantity and was of good quality, but there was a general weakness in the entire commodity market in India and that, of course, was having its effect on shellac prices there, which were in turn having their effect on prices here.

Lacquer Materials

Phthalates—Demand varied somewhat as to the individual phthalate, but on the whole it was continuing at about normal levels. One source reported that while there has been some recent ups and downs there appeared to be a tendency towards picking up at the present time. Dioctyl, however, continued somewhat slow.

Following are the prevailing prices:—dibutyl, 36c. in tankcars, 37¾c. in carloads and 38¾c. in less than carloads; dicapryl, 37c. in tankcars, 38¾c. in carloads and 39¾c. in less than carloads; dicyclohexyl, 60c. in carloads and 61c. in less than carloads; diethyl, 29½c. in tankcars, 31¼c. in carloads and 32¼c. in less than carloads; di-iso-octyl, 40c. in tankcars, 41¾c. in carloads and 42¾c. in less than carloads; dimethyl, 27½c. to 28c. in tankcars, 29¼c. to 29¾c. in carloads and 30¼c. to 30¾c. in less than carloads; dioctyl, 40c. in tankcars, 41¾c. in carloads and 42¾c. in less than carloads; diphenyl, 51¾c. in carloads and 53¾c. in less than carloads.

Tributyl Phosphate—This item moved down 11¾c. last week with one producer, although another was still holding to previously established levels.

Miscellaneous Materials

Casein—Argentine material came down 2¼c. per pound last week as a result of the removal of the floor price by the Argentine government. Demand on the New York market was reported to be running from fair to good. One importer stated that the lower prices will not help business because consumers will buy when and if they need material. They have been showing no signs of wanting to stock up on it.

Demand for domestic was holding to about the same levels that had been noted in the recent past. It was not big, but the material was moving. Canadian was worth 20c. to 21c.; French was bringing 15c. to 15½c. and New Zealand was posted at 20c. The price of Danish was 18½c., but there was little, if any, coming through. The Dutch market was firm and producers there would not sell for anything less than the equivalent of 21c.

The Department of Agriculture advised importers here last week that it would not guarantee there would be no restrictions

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on imports after June 30, the date the present import regulations expire.

Lead Products—Reductions were noted last week in the prices of linoleate, naphthenate, oleate, and tallate. Linoleate came down 2½c. to 32½c. Naphthenate, liquid, 16 percent, was lower by ¼c. at 17½c.; liquid, 24 percent, was lower by ½c. at 23¾c. and solid, 37 percent, was lower by 1½c. at 31c. Oleate stood at 29¾c., a reduction of 3½c. Tallate, liquid, 16 percent was reduced ¼c. to 15¼c. and the 24 percent was reduced ½c. to 21c.

Oil, Shingle Stain—There was no particular change in the market position of this material. Demand continued at what were characterized as normal levels and the supply was sufficiently strong to take care of the consumer requirements without any difficulty. The price remained unchanged at 31c. in carloads, 33c. in less than carloads and 21c. in tanks.

Stearates—Demand was not running at particularly high levels at the present time and most of the purchasing that was being done was on a hand-to-mouth basis. Such consumers as the cosmetics manufacturers and the paint and varnish producers were not taking any sizeable amounts. It was said, however, that the big consumers were taking a better percentage of material, overall, than were the smaller consumers. Supply was high enough to take care of any normal requirements without difficulty.

Following are the prevailing prices:—Aluminum, dibasic, monobasic and tribasic, 33c. in carloads and 34c. in ton lots or less; barium, 37c. in carloads, 38c. in ton lots and 39c. in less than ton lots; calcium, 35c. in carloads, 36c. in ton lots and 37c. in less than ton lots; iron, 37c. in carloads, 38c. in ton lots and 39c. in less than ton lots; lead, dibasic, 56c. in ton lots; lead, precipitated, 39c. in carloads, 40c. in ton lots and 41c. in less than ton lots; magnesium, 38c. in carloads, 39c. in ton lots and 40c. in less than ton lots; manganese, 38c. in carloads, 39c. in ton lots and 40c. in less than ton lots; zinc, 37c. in carloads, 38c. in ton lots and 39c. in less than ton lots.

Naval Stores

Rosin Gum

(USDA, per 100 lbs.)

	Fri.	Mon.	Tues.	Wed.	Thur.
F	...	...	...	7.29*	...
K	7.32*	...	...	...	...
M	...	...	...	...	7.25*
N	...	...	...	7.10‡	7.30*
WG	...	6.98*	...	...	...
WW, X	7.45*	7.37*†	7.35*†	7.45*†	...
Sales, USDA	839*	514*	97*	1,604*	513*

Savannah Exchange (per 100 lbs., dms.)

Receipts	28	...	468	516	617
Shipments	...	332	...	...	454
Stocks	8,741	9,086	9,554	10,070	10,233

New York
(per 100 lbs., c.l., Friday)
B-N, $8.25; WG, 8.30; WW, X, $8.40.

Rosin, Wood

(USDA, per 100 lbs.)

FF	5.00*	4.50*	6.50*	5.15*	...

Turpentine, Gum

(USDA, per gal., 7.2 lbs.)

Price	.517½†	.515†	...	52†	.522½†
Sales	1‡	8,000§	...	30,000§	12,000§

Savannah Exchange (dms.)

Receipts	281	221	44	465	183
Shipments	195	295	120	200	887
Stocks	3,586	3,377	3,301	3,566	2,862

New York, Friday, per gal. 7 lbs., tankcars, 60c. l.c.l., 70c.

Turpentine, Wood, Steam Distilled

(USDA, per 7 lb. unit)

...	.449†	.49†	.445†	...

* Drums. † Tankcars. ‡ Bags. § gallons.

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August H. Baum has been added to the merchandising section of the plastics sales department, Dow Chemical Company, Midland, Mich., to assist in the promotion of "Styron" (Dow polystyrene) housewares and toys. Mr. Baum comes to Dow with more than fifteen years experience as advertising and sales promotion manager for Solo Products Corporation, New York.

Nuodex Issues Calcium Driers Data

Technical information on Nuodex calciums as auxiliary driers for paints and varnishes is contained in a new four-page folder. Available through Nuodex Products Company, Elizabeth, N. J., the booklet describes three types of calcium driers—naphthenate, tallate and octoate. The folder also gives specific recommendations for the use of calcium in vehicles showing poor tolerance, in fume-proof finishes, in sanitary coatings, in maleic treated oils, and in penta alkyds. A section discusses how calcium can help cut top drier usage and yet maintain optimum drying characteristics.

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100%	None	54	9.0	8.0	60
99½%	½%	46	10.0	7-8	60
99%	1%	42	11.0	7.0	60
98%	2%	35	12.0	6-7	60

The addition of from ½% to 2% of Monsanto Maleic Anhydride to phthalic-type alkyds reduces processing time as much as one third. It also improves color, hardness and gloss. For further details on the use of readily available Monsanto Maleic Anhydride in the paint industry, write MONSANTO CHEMICAL COMPANY, Organic Chemicals Division, 1700 S. Second St., St. Louis 4, Mo.

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Smokeless Powder Plant Reactivation Project Afoot

Negotiations are under way between the army and E. I. duPont de Nemours & Co. looking to the reconditioning and reactivation of the remaining three smokeless powder production lines at Indiana Ordnance Works, Charlestown, Ind. Since March, duPont has been engaged in rehabilitating and preparing to operate the three other lines at the ordnance works.

The army said that it expects that a cost-plus-a-fixed-fee contract will be negotiated within the next thirty days. The contract will be in excess of $60,000,000 and, of this amount, $21,000,000 is the estimated cost of reconditioning.

Initial production from the first three lines is expected to start in June, 1952, and gradually increase until November, when the maximum production now planned on these lines will be attained. As soon as the new contract with duPont is signed, the reconditioning of the second three lines will begin and continue through the fall and winter months. Initial production from the second three lines is due to start in May, 1953. By September or October, 1953, the rehabilition works now planned will be completed and all six production lines will be operating.

Tinplate Filing Dates Set

Third quarter applications for licenses to export secondary tinplate products must be filed in the period June 2 to 30, the Office of International Trade announced May 22. The agency also announced that the filing period for fourth quarter applications for licenses to export specification production tinplate has been set for June 16 to July 18.

Hardesty Offers Plasticizer Data

Hardesty Chemical Company has published a brochure on its line of plasticizers for vinyl plastics. The brochure contains information relating to general compounding, formulating and comparative data concerning the plasticizers described. Copies of the publication are available on request to Hardesty Chemical Company, 41 East 42nd street, New York 17.

Chemical Coatings Adds Gorra

The Chemical Coatings Corporation, Rocky Hill, Conn., has announced that George Gorra has joined its technical staff. He will be primarily engaged in development work on flexible coatings. Mr. Gorra was previously with the Plastic Film Corporation and Milprint, Inc.

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Carbide Develops Plasticizer For Vinyl Chloride Resins

A new, general-purpose, primary plasticizer for the vinyl chloride resin, called "Flexol plasticizer CC-55," is available in tankcar quantities from Carbide & Carbon Chemicals Company, a division of Union Carbide & Carbon Corporation. A feature of the new plasticizer, a di-2-ethylhexyl hexahydrophthalate, is its "across-the-board" utility in all major vinyl-plastic compounding, according to a new technical bulletin released by the company. It is a plasticizer for calendered and extruded goods, as well as organosols and plastisols. Excellent light and heat-stability characteristics are said to make "C-55" equally useful in clear and pigmented products.

The new plasticizer is claimed to have excellent compatibility with the vinyl chloride resins and with many coating resins and polymers. Company tests are said to have shown that neither ultraviolet light nor high humidity at high temperatures has an adverse effect on its compatibility. Vinyl resin compounds plasticized with "CC-55" are claimed resistant to water leaching and have good low-temperature flexibility. Plastisols based on "CC-55" have very low viscosities and excellent storage stability, Carbide reports. Copies of the technical bulletin (F-7893A) on "Flexol plasticizer CC-55" may be obtained from Carbide & Carbon Chemicals Company, 30 East 42nd street, New York 17.

PMA Revises Olive Oil Price Support Regulations

The Production and Marketing Administration amended its regulations covering the 1951 olive oil price support program May 21 so as to provide a means whereby olive oil producers can obtain farm storage loans on olive oil stored in tanks at olive oil mills, and to clarify the drum specifications.

The amendment authorizes loans to be made on olive oil stored in tanks approved by the Commodity Credit Corporation at crushing mills under the following conditions:—

The operator of the mill has not entered into CCC form 43, olive oil storage agreement, authorizing the issuance of warehouse receipts; the mill has tank storage facilities which can be readily identified from the description in the chattel mortgage; all olive oil in any one tank must be under loan; and 20 cents per gallon is withheld from the proceeds of the loan to cover the cost of drums and drumming. Olive oil delivered to CCC by an approved warehouseman or delivered in liquidation of a farm storage loan or under a purchase agreement must be in drums when delivered.

Approved type drums are new, fifty to fifty-five-gallon capacity, eighteen gauge, lacquered steel drums suitable for vegetable oils, fabricated with side or top bung holes, and two rolling hoops.

Soil Conservation Extension Bill Gets House Approval

Senate bill 2569 to extend the soil conservation law for another two years until December 31, 1954, was passed by the house May 20 and sent to the President for his signature.

The soil conservation act was first passed in 1937 for a temporary period and has been extended on several occasions since that time. Legislation which would establish the law as a permanent part of the agricultural program has been introduced this year, but it is unlikely that it will be acted upon before adjournment.

The house already has voted an appropriation of $250,000,000 to cover the costs of the program this year, and this matter is now being considered by the senate appropriations committee.

Cleveland Paint Club Sets Golf Program for Season

The Cleveland Paint, Varnish and Lacquer Association has announced the following program of golf meetings for the season:—June 12, Manakiki Golf Club; July 10, Kirtland Country Club; August 14, Acacia Country Club, although still unconfirmed, and September 11, Chagrin Valley Country Club. The September meeting will include a ladies' night dinner dance.

Rubber Bill Advances

The senate passed the rubber act extension bill May 16 and sent the measure back to the house for acceptance of an amendment that would limit the continuance of government ownership of the plants to one year, instead of two years as proposed by the house. It is expected that the house will approve the amendment and send the measure to the President for his signature.

McGranery Confirmed

The senate confirmed the nomination of James P. McGranery to be Attorney General of the United States May 21 following a futile effort by a small band of Republicans to block the appointment. Mr. McGranery won confirmation by a vote of 52 to 18 and succeeds J. Howard McGrath who was dropped from the cabinet by Mr. Truman following his firing of Newbold Morris as asdministration clean-up man.

Trade Briefs

William P. Gibbons has been named advertising manager for industrial products of the Johns-Manville Sales Corporation, New York.

Pierce & Stevens, Buffalo, N. Y., lacquer and chemical manufacturer, has filed plans with the city to enlarge its plant at 710 Ohio street, at an estimated cost of $50,000.

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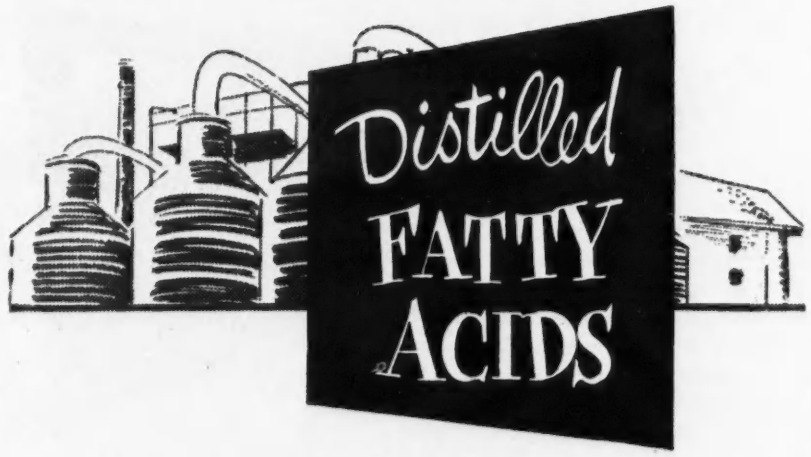

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Oils, Fats and Waxes

Strength of crude edible vegetable oils and better grades of tallow featured the oils and fats market last week. Crude cottonseed oil retained its firm tone and advanced fractionally as a result of higher support prices announced by the Department of Agriculture for the 1952 crop, which further reduced offerings from mills. Corn and soybean oils were scarce and higher. Peanut oil was scarcer and advanced sharply as production was cut by the stoppage of peanut releases by the government for crushing during the past two weeks. Coconut oil was firm and slightly higher. Price index advanced 3.7 points.

Active trading in the better grades of tallow for export and domestic account lifted prices ¾ cent per pound. Soapmakers entered the market and took moderate sized quantities at the advance. Choice white grease also was in active demand and quotations were boosted 1⅜ cents per pound, while yellow and lower grades advanced 1 cent per pound. This strengthened grease oils, which were lifted fractionally.

Increased cost of vegetable oils was finally reflected in fatty acids and quotations were lifted ¼ cent to 1 cent per pound. The advance in tallow boosted red oil and stearic acid ¾ cent per pound.

Quiet demand for linseed oil resulted in keener competition and discounts were available in some quarters for carlot business. Oiticica was easier and off fractionally for prompt delivery.

OPS announced roll backs of price ceilings on crude soybean, crude cottonseed and crude corn oils and lard, which were suspended April 28, have been rescinded and ceilings in effect before the suspension were restored. This action became effective May 19. Restored ceilings are for crude soybean oil, 20½ cents per pound, tankcars, f.o.b. Decatur; cottonseed oil, 23½ cents per pound, Valley basis and corn oil, 24½ cents per pound, f.o.b. mills. The rescinded ceilings were 16½ cents-18 cents-and 19 cents, respectively. The new ceiling on lard was set at 18 cents per pound, loose, Chicago, with appropriate differentials. This is 1 cent higher than the rescinded ceiling.

Cottonseed Oil

Bleachable cottonseed oil futures remained on a steady basis, reflecting the strength in crude oil, higher soybeans, and the announcement of higher support prices for the 1952 crop by the Department of Agriculture. Trading was fairly active, chiefly of a professional nature.

Offerings of crude cottonseed oil were scarce with light sales in the Valley at 12¼c. per pound, tankcars in the Valley. Later 12½c. was generally maintained in the Southeast and Valley. Texas was nominal at 12c. to 12¼c.

Department of Agriculture has announced terms and conditions under which it will buy cottonseed oil, cake or meal and linters from crushers to implement 1952 cottonseed support program. Crushers participating in the program must not pay less than $66.40 per ton for cottonseed, basis grade (100) f.o.b. gin point, with specified premiums and discounts for other grades. Last year's cottonseed support price was $65.

CCC's buying prices will be as follows:—Prime crude cottonseed oil, 15⅝c. per pound, buyers tankcars, f.o.b. mills in the Southeast; 15½c., Valley and 15¼c. Texas, Oklahoma, Arizona, New Mexico and California. Last year's prices ranged from 15½c. to 15.65c. Cake or meal, 41 percent protein content, hydraulic or expeller, meal or sized cake, bulk, sellers cars, f.o.b. plants:—2.8c. per pound, Southeastern; 2.7c., Valley, Texas and Oklahoma, and 2.65c. Arizona, New Mexico and California. Same support prices prevailed last year. Linters, ranged from 7.7c. per pound to 14.8c., depending upon grade. Same prices were offered last year.

Sales and prices of prime summer yellow cottonseed oil in tankcars (60,000 pounds) on the N. Y. Produce Exchange for the week ended May 23 follow:—

	Sales	Cents per pound High	Low	Close
July	808	14.80	14.40	14.55S
September	712	15.10	14.65	14.82S
October	566	15.22	14.75	14.92S
December	372	15.49	14.95	15.15@15.18
January	3	15.45	15.45	15.15B
March	95	15.70	15.18	15.38@15.45
May	3	15.65	15.37	15.48B

Total sales, 2,559 tankcars.

Memphis.—Crude cottonseed oil sold at 12¼c. per pound, tankcars, f.o.b. mills. Market steady. Cottonseed and soybean meals in quie demand. Supplies scarce. Cotton crop prep arations making favorable progress. Some replanted recently took place.

Linseed Oil

Lack of improvement in consuming de mand increased competition and som sellers were seeking lower bids, about ½c below asking prices. Raw oil was gen erally quoted at 15½c. per pound, tank cars, f.o.b. Minneapolis and 16¾c., Ne York basis. Withdrawals of oil agains former contracts continued to show a fai improvement, but the movement was sti below that of a year ago. Other dryin oils were inactive except tung which wa in fair request and in limited supply Oiticia was inactive and easy.

Details of the 1952 flaxseed loan an purchase program were published in th Federal Register May 17 by the Produc tion and Marketing Administration. A previously reported this year's flaxsee crop will be supported by CCC for No. seed at $3.77 per bushel at Corpus Chris and Houston, Texas; $4.03, Minneapol and $4.21 at Los Angeles and San Fra cisco. Loans will mature not later tha January 31 1953 in Arizona and April 3 in all other states.

Minneapolis.—The linseed oil market co tinued in a lethargic state, with only few use entering the market for nearby replenishme needs. There was no incentive in forwa coverage. Open schedule held steady at 15.5 per pound, bulk, raw, tankcars, f.o.b., Mi neapolis. Crushers complained there was li tle profit in oil even with flaxseed selling belo the current support price. Shipping specific tions held up quite well for this time of t year.

Shipments of linseed oil, in pounds, were follows:—

	1951-52	1950-5
Past week	8,580,000	8,520,0
Since Sept. 1	302,820,000	377,260,0

Flaxseed—Trading in cash seed w light. Market remained steady.

Minneapolis.—Cash flaxseed moved in a na row range, with bids near week-end holdi around $3.95 a bushel, delivered Minneapo price. Offerings of flaxseed improved, as d receipts and shipments. Area processors a merchandisers bought about 36 cars and 4,0 bushels of seed in trucklots in the spot ma ket. On a to-arrive basis, they booked a doz cars and about 38,000 bushels in truckl Actual arrivals of seed totaled 195 cars, co pared with 182 cars in the preceding week a 94 cars in the same week last year. Shipme amounted to 71 cars as against 49 cars in t previous week and 145 cars in the same peri a year ago. Flaxseed planting was complet in southern areas of Minnesota but was bei held up in dry counties. Only scattered sho ers have appeared in the past two weeks a a good, soaking rain is needed in most sectio of the Upper Midwest grain belt. Around percent of the North Dakota flaxseed acrea was reported planted to date.

Receipts and shipments of flaxseed, bushels, were as follows:—

	Receipts 1951-52	Receipts 1950-51	Shipments 1951-52	Shipments 1950
Past week	331,500	159,800	120,700	246,4
Since Sept. 1	20,883,800	24,316,600	4,317,000	5,288,4

Other Vegetable Oils

Castor Dehydrated—Trading continu spotty, chiefly for prompt requiremen Quotations were without change.

Coconut—Crude oil was firmer a shipments were lifted to 8½c. per pou tankcars, f.o.b. Pacific coast and 9⅝c. pound, New York basis, with trading 9½c. per pound.

Copra—Market was stronger and quo

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

Acid, stearic, ¾c. per lb.
Copra, $5 per ton.
Greases, choice white, 1⅜c. per lb.
yellow, 1c. per lb.
Oil, coconut, crude, Pac. coast, ¼c. per lb.
New York, ⅛c. per lb.
fatty acid, 1c. per lb.
Corn, crude, ½c. per lb.
ref., ½c. per lb.
cottonseed, crude, ½c. per lb.
fatty acid, ¼c. to ½c. per lb.
ref., ½c. per lb.
grease, ½c. to 1c. per lb.
peanut, crude, ¾c. per lb.
ref., ¾c. per lb.
red, ¾c. per lb.
soybean, crude, ¼c. per lb.
fatty acid, ¼c. to ½c. per lb.
ref., ¼c. per lb.
Tallow, extra, ¾c. per lb.
fancy, ¾c. per lb.
special, ⅝c. per lb.
fatty acid, ¾c. to 1c. per lb.

Prices Reduced

Oil, oiticica, ¼c. per lb.
rapeseed, 1c. per lb.
Wax, bees, Afr., crude, 1c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	July 1, 1950	May 25, 1951
127.9	124.2	117.9	117.3	208.3

(For Current Prices see Page 9)

tions were raised $5 to $132.50 per ton, c.i.f. Pacific coast.

Corn—Prices were firmer with competing oils. Trading was light. Crude oil was sold and bid at 12¾c. per pound, tankcars, f.o.b. mills and 13c. asked. Refined also was higher at 16c. per pound tankcars, New York delivery.

Cottonseed Refined—Higher cost of crude advanced refined to 16c. per pound, tankcars, New York delivery.

Oiticica—Trading was spotty. Offerings were freer and off ¼c. per pound. Refined oil ranged from 23¾c. to 24c. per pound, tankcars, New York basis depending upon seller. Oil in drums was unchanged at 25½c. to 26c. per pound, according to quantity.

Olive—Business lacked snap, and was restricted to small lots for immediate requirements. Edible oil was maintained at $2 to $2.15 per gallon, drums, duty paid, spot delivery, depending upon quantity. Olive foots were in light supply and quoted at 16c. to 16½c. per pound, drums, as to quantity.

Peanut—The government did not release peanuts for crushing last week, resulting a stronger market. Supplies were scarce and prices higher. Crude oil was bid at 16c. per pound, tankcars, f.o.b. mills, with no offers. Refined also was higher at 18½c. per pound, tankcars, New York basis.

Rapeseed—Continued quiet demand weakened this market. Refined was lower and nominal at 20c. per pound, tankcars, New York, prompt delivery.

Palm—Trading was slow. Clarified oil was steady and unchanged at 13¼c. per pound, drums, and at 11¾c. per pound, sellers tankcars, spot delivery.

Soybean—Market remained on a firm basis under moderate trading and sharp advance of beans. Crude oil was sold and bid at 10⅜c. per pound, tankcars, f.o.b. mills, for May-June shipment. July was sold at 10⅝c. and July-September was 10⅝c. bid and 10¾c. asked. Refined salad was maintained at 13⅛c. per pound, tankcars, New York delivery.

Sales and prices of prime crude soybean (Contract "W") on the N. Y. Produce Exchange in tankcars (60,000 pounds) for the week ended May 23 follow:—

	Sales	Cents per pound—High	Low	Close
July	50	10.60	10.35	10.45@10.59
September	39	10.80	10.55	10.65@10.69
October	19	11.00	10.50	10.70@10.85
December	28	11.20	10.90	10.90@11.00
March	10	11.10	11.00	10.90@11.05

Total sales, 146 contracts.

Tung—Offerings were light and firmly held. Trading was spotty and reported at 39¾c. per pound, tankcars New York, nearby delivery. June was held at the same figure and July at 39⅝c. Drums were unchanged and maintained at 41¼c. to 42c. per pound, depending upon quantity.

Fats and Greases

Greases—This market was higher under improved demand for domestic and export account. Choice white was in excellent request and advanced 1⅜c. per pound. Offerings were scarce. Lower grades also were more active and were lifted 1c. per pound. Choice white was quoted at 7½c. per pound, tankcars, delivered; yellow, 5¼c.; house, 5c., and brown, 4¾c., same basis.

Lard—Market firm reflecting the strength of competing fats and oils. Cash lard was nominal at 12¼c. per pound, Cerces, Chicago. Lard stocks in the United States totaled 88,786,000 pounds May 1, compared with 70,803,000 pounds April 1, and 75,171,000 pounds May 1 last year. The 5-year average is 117,620,000 pounds. Chicago stocks increased moderately, amounting to 60,562,720 pounds May 15, against 55,377,170 pounds May 1 and 26,-46,050 pounds May 15, 1951.

Tallow—Prices were sharply higher as result of increased demand for export and domestic account. Fancy and extra advanced ¾c. per pound and special, ⅝c. Papers raised bids and purchased moderate sized lots at the advance. Offerings were light and reflected the strength in the West. Fancy was quoted at 67⅛c. per pound, tankcars, delivered; extra, 65⅛c; special, 6c. and No. 1, 5½c. same basis.

Animal Oils

Tallow and greases were firmer and prices advanced sharply. Grease oils were advanced ½c. to 1c. per pound. Trading in neatsfoot oil was still restricted to actual needs, with quotations steady. Tallow oil also was quiet and unchanged. Oleo oil and stearine were in limited supply and entirely nominal.

Fish Oils

Refined—Trading was more active, which created a steadier tone. Light pressed was offered at 11c. per pound, tankcars, New York delivery and alkali refined at 12c. Carlot business could still have shaded quotations, but not to the extent as heretofore. New crop crude menhaden oil was nominal at 6½c. per pound, tankcars, f.o.b. Baltimore, with recent sales at this figure and at 5c. per pound, Gulf ports.

Los Angeles.—Market activity was extremely quiet last week as only one car of refined tuna oil moved at 7.75c. per pound, f.o.b. San Diego. One car of crude sardine oil remains available, offered at 8½c. per pound, f.o.b. San Pedro, with buying interest nil. Other quotations were nominal with crude tuna quoted 5c. per pound, f.o.b. San Pedro; Canadian herring oil 6c. per pound, tankcars, f.o.b. Seattle.

Fatty Acids

Increased cost of tallow and vegetable oils resulted in price advances ranging from ¼c. to 1c. per pound. Red oil and stearic acid were lifted ¾c. Distilled red oil was raised to 11¼c. per pound, tankcars, and double to 14c; single pressed stearic acid to 11¼c. per pound, carlots; double, 11¾c. and triple, 14c. same basis. Coconut oil fatty acid distilled was quoted at 18c. per pound, drums, carlots and double, 19½c. per pound; cottonseed, 10¼c. per pound, drums, carlots and double, 10¾c. per pound; soybean, 11¼c. per pound, drums carlots and double, 11¾c. per pound; tallow, distilled 10¼c. per pound, drums, carlots and hydrogenated, 11¼c. per pound, same basis. Buying interest improved and trading was fairly active at the advance.

Cake and Meal

Cottonseed Meal—Trading continued slow due to scarce supplies. Offerings were freer from foreign countries of flakes and meal at prices above the domestic market. A few cars of domestic meal were available for forward delivery at ceilings. Sales of a few cars of new crop meal were reported at ceilings for August shipment.

Linseed Meal—Light production readily taken against contracts. Demand active.

Minneapolis.—Production of linseed meal held light and demand continued to exceed the small supply ground out each week. Currently, only four crushers were said to be processing flaxseed in all of United States, due primarily to the fact that there is no margin in the operation. Crushers quoted extracted linseed meal at $70 to $71 a ton, bulk, in carlots, f.o.b., Minneapolis, expeller meal at $71.50 to $72 a ton, bulk.

Shipments of linseed meal, in pounds, were as follows:—

	1951-52	1950-51
Past week	7,800,000	10,380,000
Since Sept. 1	429,960,000	673,620,000

Peanut Feed—The government has stopped releasing peanuts for crushing, and supplies were scarcer. Market was firm at $93 per ton basis South Georgia mills, and $92, Alabama mills, May through August shipments. Some mills have bought peanuts for crushing through August, but most of their production has been sold. There is no information as to when peanut releases will be resumed by the government, but the consensus is that peanuts available for crushing are very limited.

Soybean Meal—Some feed mixers were in the market for meal, but have been forced to buy some type of soya mixture. Supplies of pure meal are practically nonexistent except in isolated cases of resale cars in the Mississippi Valley, which were quoted at $90 per ton bulk, or $96 sacked, f.o.b. mill, spot shipment.

Waxes

Beeswax—African crude was easier and increased offers lowered prices to 46c. to 47c. per pound, prompt delivery. Demand for refined grades was light and spotty. Prices were without change.

Carnauba—Business was reported slow last week. Selling pressure was lacking and prices were well held. Interest in shipments from Brazil continued limited. No. 3 crude was quoted at 90c. to 92c. per pound, and refined 95c. to 96c., as to quantity. No. 1 yellow also was unchanged at $1.20 to $1.22 per pound, and No. 2, $1.18 to $1.20 per pound, depending upon quantity.

Ouricury—This market continued easy and inactive. Refined was quoted at 78c. to 80c. per pound, depending upon quantity.

Alkydol Publishes Alkyds Report

Alkydol Laboratories, Inc., has published a five-page report, "Performance of S-1192, S-1196 and S-4502," which describes the performance of these newly-developed modified alkyd resin solutions. "S-1192" and "S-4502" are used in architectural enamels, while "S-1196" is used in baking enamels. The report, which describes actual tests and results obtained in comparison with standard alkyd resins, is available on request to Alkydol Laboratories, Inc., 3242 South Fiftieth avenue, Cicero 50, Ill.

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Cottonseed Product Purchase Program Terms Are Revealed

The Department of Agriculture announced May 19 the terms and conditions under which it will offer to buy cottonseed oil, cake or meal, and linters from crushers to implement its 1952-crop cottonseed price support program, which was announced by the department on April 4. The purpose of the program is to support prices to growers. Crushers participating in the program must pay not less than $66.40 per ton for basis grade (100) cottonseed, f.o.b. gin point, with specified premiums and discounts for other grades.

The program announced last week stipulates that for each ton of eligible cottonseed purchased by a crusher, Commodity Credit Corporation will offer to buy the following quantities of crude cottonseed oil, 41 percent protein cake or meal, and linters as a combination "package" in the specified areas:—

	Oil (Lbs.)	41% protein Cake or meal (Lbs.)	Linters (Lbs.)
Southeastern	310	860	188
Valley	325	851	182
Texas-Oklahoma	309	943	181
Arizona-New Mexico	332	878	187
California	340	900	200

CCC will pay the following base prices per pound for prime crude cottonseed oil, basis f.o.b. buyer's tankcars at crusher's mill:—Southeastern, 15.625 cents; Valley, 15.5 cents; Texas-Oklahoma, 15.25 cents; Arizona-New Mexico, 15.25 cents, and California, 15.25 cents.

For 41 percent minimum protein content, basis hydraulic or expeller bulk meal or sized cake, f.o.b. seller's cars at crushing plant, CCC purchase prices per pound will be as follows for the applicable area:—Southeastern, 2.8 cents; Valley, 2.7 cents; Texas-Oklahoma, 2.7 cents; Arizona-New Mexico, 2.65 cents, and California, 2.65 cents.

For mill run linters sold on a cellulose basis or second cut chemical linters, the price will be 8 cents per pound, gross weight basis 73 percent cellulose yield. Premiums and discounts of .11 cent per pound will be made for each variation of 1 percent, fractions in proportion, of cellulose yield from 73 percent.

Flax '52 Loan and Purchase Program Details Announced

Details of the 1952 flaxseed loan and purchase program were published in the *Federal Register* May 17 by the Production and Marketing Administration. As previously announced, prices of flaxseed from this year's crop will be supported by the Commodity Credit Corporation at prices ranging from $3.77 per bushel for No. 1 flaxseed at Corpus Christi and Houston, Tex., to $4.03 at Minneapolis and $4.21 at Los Angeles and San Francisco.

The loans will mature on demand but not later than January 31, 1953, in Arizona and California and not later than April 30, 1953, in all other states. In addition to supporting the prices of flaxseed in approved warehouses at the terminal markets, CCC will also support the prices of flaxseed in approved warehouse storage at other than terminal markets. The rates at which prices will be supported in each country also were given.

P.A.'s-Eye View

—*Continued from page 3*

days. The usual spring industrial pickup did not develop. The purchasing agents who forecast a sluggish third quarter take an extremely cautious view of future coverage.

Specific Commodity Changes

No important price increases are reported in May. The largest number of price declines since the start of trouble in Korea are recorded, lead and its products taking the most pronounced drop. The list of hard-to-get materials was reduced considerably this month.

On the up side were industrial diamonds, vegetable oils, glass bottles, die castings.

Lower priced were stearic acid, alcohol, secondary aluminum, brass ingots, coal, cattle hair, clothing, coke, containers, small motors and controls, many food items, fuel oil, glycerin, hides, cast-iron scrap, lacquers, lead, lumber, manila rope, mercury, methanol, molasses, lard oil, paper, steel pipe, propane, synthetic resins, rubber, silver, warehouse steel, scrap steel, textiles, thinners, tires, small tools, scrap zinc and stearate.

Still hard-to-get were some aluminum products, aviation gas, cobalt, copper, diamond wheels, nickel, large sized steel pipe, steel.

Easing were bearings, steel castings, forgings, iron pipe, sulphur, warehouse steel, scrap steel, wire, industrial mill supplies.

Canada

The Canadians, with a better dollar than the United States have a much better general business picture. Production and order books are up substantially. Prices are holding better, though the trend is down. Inventories are lower. Employment ratio is higher. Purchasing policy is somewhat longer range. They expect good business through the summer.

Senate Bill Extends

—*Continued from page 3*

the other amendments, such as the change in the Herlong amendment, the amendment on state minimum price law and the eight months extension of price control, the OPS record was not so good and these changes were voted in the law by the committee, in spite of an eleventh hour appeal from OPS director Ellis Arnall.

In a letter to the committee, Mr. Arnall had warned that the fight against price inflation cannot be relaxed in the face of the increasing expenditures for defense, which he said will be at the rate of $460,000,000,000 by the fourth quarter.

Wage Board Function

In a show of resentment for the President's seizure of the steel industry, the committee voted not only to strip the wage stabilization board of its authority to pass on wage disputes and fringe benefits, but also voted to revamp the board into an agency composed solely of public members and exclude management and labor from membership. If finally approved by congress, the only function of the board will be to pass on whether a proposed wage increase would violate the aim of the stabilization program.

In this area of labor and wage matters, the committee also voted several far reaching amendments to the Walsh-Healey public contracts act which are being strongly opposed by the unions and the Department of Labor. One amendment exempts any materials and supplies that may usually be bought in the open market from the provisions of the law and the other makes it allowable to appeal to the courts any ruling, interpretation or orders of the Secretary of Labor.

Wage Minimums

A third amendment to the Walsh-Healey act of equal importance to the chemical and drug industries was rejected by the committee by a narrow one-vote margin. This would have prevented the Secretary of Labor from establishing nation-wide wage minimums for government contract work by re-defining the word "locality" to include only that area in which the contract work is being performed.

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Petroleum Derivatives

The settlement of the strikes at the majority of the refineries which were shut down has returned the petroleum industry to near normal conditions. Observers in the industry were optimistic with regard to the quick settlement of the differences at the few refineries which were still on strike. Because of the large stocks which were carried by most producers of petroleum derivatives, the strike did not have a very great effect upon the supply picture. However, individual producers had begun to feel some tightness during the past week. Toluol and xylol were reported to be tight in some quarters, while others continued to be comfortably supplied. Demand for these items was steady and prices held firm. The aliphatics also appeared to be tight in some places, but all orders could be met. The cutoff of raw materials for the production of propane and butane gases was said to have helped to stabilize a very weak situation. Some of the distressed lots of material were disposed of. The situation, however, remained favorable to the consumer with prices continuing easy.

The petroleum waxes were unchanged throughout the past week. There was a plentiful supply of microcrystalline wax and a moderate amount of interest was shown by consumers. Paraffin wax was fairly easy, as well, although it enjoyed a more active demand. Prices for both types of wax remained unchanged. Producers of petrolatum and white mineral oils reported a rather good rate of sales and an ample supply. These items were unaffected by the strike situation. Pricing schedules remained stable.

Solvents and Diluents

In some quarters it was reported that there was some tightness felt in the supply situation of both xylol and toluol last week. This was based mainly on the oil refinery strikes. The greatest part of the strike has been settled by now and observers were optimistic with regard to the settling of the remainder in a short time. Other suppliers of toluol and xylol reported having a fairly comfortable supply available. The demand for these items has continued to be rather active, particularly that of the government for the production of TNT and aviation gasoline. The supply picture of the higher boilers and intermediate aromatic chemicals also ranged from tight to adequate, depending upon producer. Prices of all materials remained quite firm.

Cleaners' Naphtha—There continued to be sufficient stocks to cover the needs of consumers and prices held steady. An average amount of buying interest was reported and the oil strike has not yet had much effect upon the supply situation.

Lacquer Diluent—De.nand for this material was said to be good and all orders could be met without difficulty from the comfortable supplies held by producers. No change occurred in the pricing schedule.

Mineral Spirits—Inquiry for this material, particularly the odorless type, was reported to be quite active. Production has been steady and stocks were adequate. Market quotations remained unchanged. A shortening of supplies was foreseen because of the current refineries strike.

Rubber Solvent — Some tightness was beginning to be noticeable in the market because of the strike situation, but there was still enough material on hand to cover current requirements. A steady demand was reported and prices held firm.

Stoddard Solvent—Spot supplies were still sufficient to meet the needs of consumers, according to producers, but there were indications that the refineries shutdown would soon show its effect upon the supply picture. Sales were steadily good and market quotations remained at unchanged levels.

V. M. & P. Naphtha—Demand was reported to be quite brisk, but some tightening of supply was seen because of the oil strike at refineries. Warehouse stocks were large enough to take care of current needs, but it was expected by observers that supplies might be a bit lighter in the near future. The pricing schedule remained unchanged.

Market Trends

Prices Advanced
None

Prices Reduced
None

(For Current Prices see Page 9)

Lighter Fractions

LPG's—The oil strike has cut down the supply of both butane and propane in recent weeks, but suppliers were not displeased with the situation thus far, stating that it might help to strengthen what had become an extremely weak market. Sales continued to be light and selling prices soft. In some places, it was reported, summer storage sales have been cut down but all current needs could still be met without difficulty.

Waxes

Microcrystalline—With regard to sales, this continued to be a fairly easy market. There were still good quantities available and buying interest was still only moderate. However, the large over-supply of the past few months appeared to have been diminished to some extent by a cut in production and by the oil strike, which cut off some of the supplies of raw materials. Prices were steady and unchanged.

Miscellaneous

Benzol—Production of all grades of benzol but motor by petroleum operators during January 1952 amounted to 2,984,848 gallons. During February the output was reported to be 2,968,104 gallons, according to statistics compiled by the U. S. Tariff Commission.

Crude Oil—Production of oil in Saudi Arabia during April amounted to 26,362,689 barrels, or an average of 878,756 barrels per day. For the first four months of 1952 the output in that country amounted to 103,371,505 barrels, an average of 854.309 barrels per day.

According to a forecast of the Bureau of Mines, the amount of domestic crude petroleum that will be consumed or exported during May was estimated at 6,310,000 barrels daily, compared with 6,330,000 barrels forecast for April. It was also estimated that there would be a total gasoline demand of 106,000,000 barrels, a gasoline yield of 43.4 percent and total crude runs of 6,670,000 barrels per day.

A cut of some 113,444 barrels per day was ordered in the output of Texas oil for June by the Texas Railroad Commission. The June "allowable" was set at 2,847,875 barrels per day. Most of the Texas fields will produce only 19 days during June, compared with the current 21 days this month.

Petrolatum—According to producers, business was rather brisk in this market during the past week. The shutdown of refineries seemed to have no effect upon the production of this material and supplies were found to be quite ample. The range of market quotations remained unchanged.

White Mineral Oils—This market was reported to be in a comfortable position. Supplies were well-maintained by a steady rate of production and sales were steadily active. Prices were steady and firm.

Los Angeles Petroleum Market

Adequate supplies of solvents and diluents were reported throughout the industry with demand remaining at a good level during the past week. The range of price quotations was steady and unchanged as follows:—Lacquer diluent quoted from 16.7c. to 20.7c. per gallon, tankwagon, ex-tax, f.o.b. Los Angeles basin area. Cleaning solvents, including Stoddard, quoted 15.7c. to 19.7c. per gallon, same basis.

Demand for LPG's continues to follow a more normal seasonal trend as inquiry for propane lags whereas brisk demand for butane again stems from requirements of the aviation gasoline industry. Stocks of butane remain limited with propane readily available by all producers. Price listings were unchanged over the week with propane quoted 4.3c. per gallon, tankcars, f.o.b. Los Angeles; butane quoted 4.8c. per gallon, same basis.

Crude Oil Stocks

Stocks of domestic and foreign crude petroleum at the close of the week ended May 10 totaled 276,897,000 barrels, according to data reported to the Bureau of Mines, United States Department of the Interior. Compared with the total of 269,615,000 barrels for the preceding week, this represents an increase of 7,282,000 barrels comprising an increase of 7,125,000 barrels in stocks of domestic crude and an increase of 157,000 barrels in stocks of foreign crude.

For Late Market Developments, See Page 4

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Gasoline, Naphtha Ceilings Limited to Continental US

Ceiling Price Regulation No. 17 imposing ceilings on prices of gasolines, naphthas, fuel oils and liquefied petroleum products was made limited in its application to sales in continental United States by amendment No. 6 announced by the Office of Price Stabilization May 21.

Heretofore, the regulation covered prices for these products in the territories and possessions, but because marketing conditions in these areas presented special problems that could not be met under the regulation, it was decided to limit its scope to the forty-eight states. Sales of the products in the territories and possessions will now be subject to the provisions of CPR 9, which is tailored to insure a maximum of price stabilization commensurate with the physical location, economic problems and marketing practices of these areas.

St. Joseph Lead Co. May Enter Oil and Gas Fields

St. Joseph Lead Company, New York, has disclosed plans to extend its activities into the oil and natural gas fields. The concern, which is the nation's largest producer of lead from primary sources, has notified stockholders that a special meeting has been called for June 16 at which they will be asked to vote authority to enlarge the scope of the firm's operations.

Under the proposed amendment to its certificate of incorporation, St. Joseph Lead would be permitted to engage in mining operations of all kinds, to explore for, develop and deal in natural resources of any kind, minerals, ores, metals, oil, natural gas and other substances.

Mineral Leasing Law Revision Passes House

The house passed H. R. 4752 amending the mineral leasing law in order to eliminate the waiver of rentals for oil and gas leases May 20 and sent the measure to the senate for concurrent approval.

During World War II, congress passed legislation to waive second and third year rentals on oil and gas leases on federally owned land in order to stimulate development. The situation now is that this waiver operates to the advantage of a few individuals who are taking advantage of this free rental situation—speculators, not developers for the most part, it was explained. Elimination of the waiver will mean that these lands hereafter will carry the regular provision of 25 cents an acre annual rental every year with no waiver for the second or third years.

Sumatran Crude Oil Shipment Expected June 1 in California

The first crude oil to be imported in commercial quantities from Sumatra to the Pacific Coast is scheduled to arrive at the Richmond, Calif., refinery of Standard Oil Company of California about June 1, T. S. Petersen, president of the company, has announced. Importation of Sumatran oil, which is to build up to an average rate of 20,000 barrels a day by August, will supplement the west's petroleum stocks and assist the company in meeting anticipated high summer gasoline demand, Mr. Petersen said.

Initial delivery of some 200,000 barrels will be made by a new supertanker, the "Gage Lund." The 28,000-ton vessel, launched last November, is one of a group of six new tankers, operated by a subsidiary, California Transport Corporation.

Peanut '51 World Output Seen Near 1950 Record

World peanut production in 1951 approximated the estimated record high of 1950, according to the latest information available to the Office of Foreign Agricultural Relations. Output is now placed at 11,209,000 short tons, which is only 70,000 tons or one percent below 1950 production.

Significant decreases from 1950 in the harvests of India and the United States were not entirely offset by sizable increases in French West Africa and Nigeria, and to a lesser extent in other African countries, Indonesia, Burma, Argentina and Brazil.

GR-S Rubber Quotas Off

Exports of government-produced synthetic (GR-S) rubber have been freed from quota restrictions by the Office of International Trade. The previous licensing criteria, as well as quarterly deadlines for filing license applications, also have been removed and applications now may be filed at any time.

DuPont Must License Nylon on Royalty Basis

E. I. duPont de Nemours & Co., Wilmington, Del., will be required to grant licenses on a royalty-free basis to any one desiring to make, use and sell the company's nylon, it was decreed in United States District Court May 16.

The order, which denied a government request that the licenses be granted royalty-free, was contained in an outline of a final decree filed by Judge Sylvester Ryan in the breakup of an alleged worldwide cartel directed against duPont, Remington Arms Company, New Haven, Conn., and Imperial Chemical Industries, Ltd., London.

In addition to the compulsary licensing of nylon, Judge Ryan decreed that the court will restrain jurisdiction over the defendants for a period of five years, in order to enable the court "to either modify the relief granted, or to grant such other or additional relief required to accomplish the purpose of the decree and to terminate the restraints of United States trade and commerce which have been, or during that period are found to have been created or imposed by acts of the defendants."

Judge Ryan drew up the order to implement a decision of last September 28, in a seven-year civil suit in which the three companies and their chief officers were found guilty of conspiring to divide world market territories in violation of the Sherman antitrust act.